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Baltimore. Mayor.

— THE —

MAYOR'S MESSAGE

— AND —

REPORTS OF THE CITY OFFICERS

— MADE TO THE —

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1893.

PART I.

BALTIMORE:
WILLIAM J. C. DULANY, CITY PRINTER,
No. 8 Baltimore Street, East.

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MAYOR'S MESSAGE.

MAYOR'S OFFICE—CITY HALL,

BALTIMORE, January 1st, 1894.

To the Honorable the Members
of the City Council of Baltimore:

GENTLEMEN:

I submit for your consideration the following Message:

THE FINANCIAL CONDITION OF THE CORPORATION DECEMBER 31, 1893.

Amount of funded debt December 31st, 1893..		$33,108,475 56
Guaranteed debt, viz.:		
Endorsement of Western Maryland R. R. third mortgage bonds.....	$875,000 00	
Endorsement of Union R. R. first mortgage bonds.	117,000 00	
		992,000 00
		$34,100,475 56

Amount brought forward.....		$34,100,475 56
Of this amount interest is provided or paid on as follows:		
Water Board upon.....	$10,500,000 00	
Park Board upon.....	200,000 00	
Union Railroad.....	117,000 00	
Commissioners of Finance on Western Maryland R. R. loan and bonds..	1,875,000 00	
Western Maryland R. R. on 3¼ per cent. 1927 bonds, and 4 per cent. 1925 bonds.....	2,388,000 00	
Overdue stock, no interest allowed.....	45,251 76	
		$15,125,251 76
Leaving the amount upon which interest is paid by taxation.....		$18,975,223 80

The city owns the following productive investments:

Mortgage on Union Railroad.....	$117,000 00	
Mortgage on Western Maryland R. R.....	2,388,000 00	
Value of sinking funds..	6,082,671 69	
Am'ts carried forward...	$8,587,671 69	$18,975,223 80

Am'ts brought forward ..		$8,587,671 69	$18,975,223 80
550 shares Baltimore and Reisterstown Turnpike stock.....		2,062 50	
137 shares Baltimore and Frederick Turnpike stock		456 66	
625 shares Baltimore and Yorktown Turnpike stock.....		5,000 00	
Real estate annual rentals.	$10,225 11		
Wharf property rentals ..	38,000 00		
Market houses rentals	50,000 00		
	$98,225 11		
Capitalized at 6 per cent.		$1,637,085 16	
			$10,232,276 01
Balance of debt over available income producing securities			$8,742,947 79

Unproductive Investments.

Western Maryland R. R. mortgages to secure endorsements of bonds and loan of City stock.	$1,875,000 00	
Western Maryland R. R. accrued interest advanced....	2,924,850 00	
Amt. carried forward....	$4,789,850 00	

Am't brought forward...	$4,799,850 00	
Philadelphia and Reading 3d preferred income bonds.....	83,000 00	
4,000 shares Western Maryland R. R. stock..	200,000 00	
Valley Railroad of Virginia.....	1,000,000 00	
		$6,082,850 00

COMPARISON OF DEBT DECEMBER 31, 1893, WITH DEBT DECEMBER 31, 1892.

Amount of funded and guaranteed debt December 31st, 1892.....	$34,663,297 48
Debt December 31st, 1893.	34,100,475 56
Decrease of debt during 1893.....	$562,821 92

The decrease in the funded and guaranteed debt during the year 1893 is thus accounted for:

Consolidated 6 per cent. 1893 Loan, redeemed..	$2,206,068 05	
Exempt 6 per cent. 1893 Loan, redeemed.....	393,253 87	
Consolidated 6 per cent. 1890 Loan, redeemed ..	2,000 00	
Public Park 6 per cent. 1890 Loan, redeemed ..	1,000 00	
		$2,602,321 92
Less new loans issued.		
Public Improvement 1940 Loan, issued.....	1,759,500 00	
McDonogh Loan 1916 Loan, issued.....	280,000 00	2,039,500 00
Showing a decrease in the debt of...		$562,821 92

Although the actual funded and guaranteed debt of the city is $34,100,475.56, the taxpayers are only called upon to provide interest on $18,975,223.80, of which $6,082,671.69 being in the sinking funds, the city pays interest thereon to itself.

The report of the Commissioners of Finance give an itemized statement of the indebtedness of the Western Maryland Railroad Company to the city.

SINKING FUND.

The following table gives the value of the sinking funds held by the Commissioners of Finance for redemption of the debt. This fund is invested in ground rents held by the city—a ground rent, the lease of which is held by the Western Maryland Railroad Company and city stocks. The interest on these securities is annually paid to the Commissioners of Finance and by them invested for the benefit of the sinking fund.

Value of sinking funds December 31, 1892.....		$7,941,007 48
Value of sinking funds December 31, 1893.....		6,082,671 79
Decrease of sinking funds in 1893.....		$1,858,335 69
This decrease is thus accounted for in 1893: City stock falling due in that year was paid off by the sinking funds to the amount of...		2,602,321 92
From which deduct extension of stock belonging to McDonogh Institute.....	$280,000 00	
Increase of sinking fund from investments made of the income of said fund.....	463,986 13	
		$743,986 13
		$1,858,335 69

CITY STOCK DUE IN 1894.

During the year 1894, the following city stock becomes due and payable:

Water loan bearing interest at rate of 6 per cent., payable at pleasure after July, 1894	$ 263,000 00
Water loan bearing interest at rate of 5 per cent. due July 1, 1894	3,737,000 00
Total	$4,000,000 00

The object of the sinking funds being to pay off city stock at its maturity, it would, in my judgment, be the proper policy to pay these loans when they come due, rather than to renew them at a lower rate of interest.

FLOATING DEBT.

Existing Claims.

Balance due on Harford Run improvement account		$ 17,679 20
Balance due on Park Board accounts		2,378 16
Balance due on internal improvement 1928 loan		83,100 15
Balance due on public improvement 1940 loan		537,245 63
Loans from banks and individuals		1,216,292 33
		$1,856,695 47
From which deduct:		
Balance in bank December 31st, 1893	$572,381 54	
Bills receivable (Western Md. R. R. Co.)	41,370 00	
Due from Water Board	121,821 50	
		$ 735,573 04
Floating indebtedness Dec. 31st, 1893		$1,121,122 43

Of this floating indebtedness, $901,490.43 is accounted for by the fact that we began 1893 with a floating debt of $473,490.43, and the estimates made of collections of taxes during the year exceeded the actual amount collected by $428,000. The latter are good assets, and a large amount of them will doubtless be paid during January, 1894; but the failure of taxpayers to pay before December 31st, 1893, causes an addition of so much to the floating debt at the end of the year. The balance is partly due to the excess of expenditures in Twenty-first and Twenty-second Wards in excess of receipts, and the system of appropriating money after the levy is made. The only safe method to prevent the last named cause is for the Council to adjourn after making the levy.

The floating debt is larger than was anticipated. It is not the result of any extravagance or maladministration of city government. It is partly due to circumstances over which municipal officers had no control. The financial difficulties which affected the business of the entire country had its effect in Baltimore. Instead of the banks being willing to pay interest on city deposits, at one time the city was compelled to pay two per cent to obtain currency to meet the salaries of its police. The rate of interest on money borrowed by the city, which in ordinary times was from three to four per cent., rose to six per cent., and the collections of taxes during the year, instead of meeting the estimate made by the Committee of Ways and Means, were $428,694.34 less. It would indeed have been singular if Baltimore alone of all the cities in the Union had not felt the effect of the financial troubles of 1893.

The extension of the city limits is the principal cause of the floating indebtedness. The Annexation Act limits the rate of taxation in the Twenty-first and Twenty-second Wards to sixty cents until the year 1900, and at the same time does not require a larger expenditure for improvements and government of those wards than is derived from taxation therein. Including the cost of police, public schools and extension of water mains, the city has spent an average of more than $100,000 per annum over the receipts in this district since the passage of the Annexation Act. This Act was passed in 1886; that is seven years since. It will thus be seen that the above statement, in connection with the floating debt, has some foundation; and yet, in my judgment, annexation was a good investment; the benefits of city extension have greatly encouraged building and other improvements in these wards, and in 1900 the addition to the taxable basis under the city tax rate will far more than repay all the outlay made in that connection.

While those connected with the administration regret this large floating indebtedness, yet they have the satisfaction of knowing that it is caused by no reckless extravagance on the part of the city government. No money was expended that was not appropriated by the Mayor and City Council, and an examination of the ordinances will show that such appropriations were demanded by the people.

Twice have the administrations with which the present Executive was connected, and once with my predecessor, left the city entirely free from floating indebtedness, and that too with a low tax rate; but the

financial troubles of 1893 interfered seriously with the ability of the people to pay taxes promptly. Fortunate was it for them that they were not at that time oppressed with a heavier levy than $1.55. The present floating indebtedness has a substantial set-off in the uncollected taxes, amounting to more than $1,700,000, the probable increase on the taxable basis of 1894 in the first twenty wards, and especially in the certain large addition to that basis in 1900, when the city tax rate extends over the Twenty-first and Twenty-second Wards.

It is well, however, to recognize the fact that unless the taxable basis increases, the tax rate must advance. The absolutely necessary expenses of the city are annually increasing in all of its departments with the growth of the community. A careful examination of the statements herein given show that while expenditures are increasing the revenue has decreased. The actual receipts in 1893 were less than in 1892 by $80,421.41, and that notwithstanding the special receipt of $139,936.04 from sale of Bolton Depot lot. If it were not for the receipts from liquor licenses—a comparatively new source of revenue—which in 1893 amounted to $390,137.89, it can be seen what the deficiency would have been. It will be asked, What will you do with the floating indebtedness? To provide for it in the tax levy will require a higher rate of taxation. This will be a heavy addition to the burden on property. As most of the money has been expended for improvements in the Twenty-first and Twenty-second Wards, which will add largely to the basis in 1900, the answer that will probably suggest itself will be to obtain an enabling ac

from the Legislature so that the Mayor and City Council may have an opportunity of considering the question of funding the debt in 3½ per cent. bonds.

This, however, is not the heroic way to treat the debt; the heroic way is to face it and pay it off; not all at once, this is not necessary, but collect your uncollected taxes, put up the levy a little, take care not to increase the debt by spending more than your revenue, and the debt of 1893 will, as have similar floating debts since 1878, take care of itself.

At the same time it will be absolutely necessary to curtail the appropriations; otherwise we will be confronted with another debt at the end of the year.

The following table shows how the floating debt has varied since 1878:

December 31, 1878, $622,649.18; December 31, 1879, $296,370.28; December 31, 1880, $155,776.37; December 31, 1881, $29,774.48; December 31, 1882, $261,344.15; December 31, 1883, $258,237.31; December 31, 1884, $55,379.53; December 31, 1885, surplus, $38,480.47; December 31, 1886, surplus, $57,278.61; December 31, 1887, debt, $158,171.40; December 31, 1888, $347,512.33; December 31, 1889, $433,318.88; December 31, 1890, surplus, $24,284.54; December 31, 1891, debt, $82,-935.97; December 31, 1892, debt, $473,490.43.

What adds to the tax rate in the city is its unjust treatment by the State, which, not content with our large annual contribution to the school fund above what we receive, exacts over a hundred thousand dollars from

the liquor licenses, and over a hundred and fifty thousand dollars from the traders' licenses paid, not for doing business or for any protection given by the State, for the city pays the cost of both Police and Fire Department, but for doing business in Baltimore.

RECEIPTS AND EXPENDITURES.

The report of the City Register gives the receipts from collections of taxes and other sources applicable to the support of the municipal government for 1893, and also a full statement of all disbursements.

RECEIPTS—ACTUAL INCOME.

From City Collector, levy of 1893	$3,270,900 57	
From City Collector, levies of previous years	1,084,015 46	
		$4,354,916 03
Fines, Jail, removed cases, &c		21,310 18
Bayview, Mount Hope and Maryland Hospital		3,234 32
Health Department, streets, Quarantine, Fire Department, &c		9,089 10
Inspector of Buildings		9,495 94
City Commissioner's Department		3,988 57
Public Schools, tuition fees and J. F. Plummer legacy		3,571 00
Amount carried forward		$4,405,801 14

Amount brought forward.	$4,405,801 14
General Superintendent of Lamps	2,526 95
Market houses and halls	51,813 00
Wharfage and rent of wharves	32,550 81
Interest on deposits and other sources	3,449 11
General licences	57,696 40
Liquor licenses	390,137 89
Auction duties	7,252 45
Bolton property	139,936 04
Chesapeake and Potomac Telephone Company	4,635 80
Turnpike dividends	157 61
Sale of City property	873 54
Conscience fund	80 00
Sale of old material	4,948 79
Rent of Imperial Hotel	2,457 50
Sundry small items	1,356 60
	$5,105,477 63

The receipts for the year 1892 were as follows:

Levy of 1892	$3,189,934 99	
Levies of previous years	1,212,220 27	
In 21st and 22d Wards	168,930 35	
Sundry sources	614,813 43	
		$5,185,899 04

This shows a falling off in receipts for 1893 of $80,421.41. The collection of taxes in arrears, was less by $216,169.58 than in 1892.

In addition to the above receipts the following amounts were received in the City Treasury, most of which were applicable for special purposes:

From State of Maryland for public schools	$ 213,941 58
City Passenger Railways, from Park tax	212,924 58
Park Board, sale of live stock, &c	4,345 06
Western Maryland Railroad interest	41,370 00
Tax sales	2,539 62
Water Board	771,634 12
State tax on City loans collected for State.	6,676 13
Condemnation of land for Park purposes.	41,591 57
City Collector, opening streets and alleys.	105,296 42
Sale of old material, opening streets, alleys, &c	37,834 15
Sale of public improvement loan of 1940.	1,759,438 75
Water Board interest on water loans	512,630 00
Park Board interest on park loans	8,000 00
Commissioners of Finance, interest on Western Maryland Railroad loans	80,820 00
Temporary loans	2,073,211 33
Park Board, for parks and squares	35,310 07

CITY COMPTROLLER'S DEPARTMENT.

The report of this officer gives an itemized statement of all municipal receipts and disbursements. These have been fully referred to in my review of the City Register's Department. The Comptroller recommends a change in the ordinance requiring the payment of one dollar for a license to sell kerosene oil, or fluids made from petroleum or its products which are used for illuminating purposes. It works, he says, a great

hardship on small dealers, and to substitute therefor a requirement for such dealers to register and take out a certificate at the Comptroller's office for which no charge shall be made. He also suggests a reduction in the amount of license (now $25 per annum) required for billiard and pool tables.

The system of keeping accounts in the Comptroller's Department is admirable, and every care is taken in the examination of bills presented for payment by this excellent and painstaking official and his experienced and faithful clerks.

COLLECTION OF TAXES.

The City Collector's report gives the following statement of receipts from taxes for 1893: Total collections in the city from taxes, $4,923,048.81; of which the city's portion was $4,460,212.45, and the State's, $462,836.36. Of these collections, the city's portion in the first twenty wards was $4,311,527.91, and in the Twenty-first and Twenty-second Wards it was $148,684.54. In 1892 the total collections in the city were $5,183,866.40; of which the city's portion was $4,703,075.68, and the State's, $480,790.68; the collections for the city in 1892 in the Twenty-first and Twenty-second Wards being $165,761.42, and for the State, $39,366.53. The collections for 1893 are analyzed as follows in the first twenty wards:

On account of taxes in arrears.....	$1,084,015 46
" " levy of 1893	3,122,216 03
For opening, closing and widening streets.	105,296 42
Total.....	$4,311,527 91

A comparison can be made with the collections in 1892 by an examination of the following table of that year:

In the first twenty wards, city's portion:	
On account of taxes in arrears	$1,212,220 27
" " levy of 1892	3,189,934 99
For opening, closing and widening streets.	131,970 54
For paving	17 32
Numbering houses, account of 1887	2 25
Total	$4,534,145 37

The collections for the city in the Twenty-first and Twenty-second Wards for 1892 were $165,761.42, and for the State, $39,366.53, analyzed as follows:

City's portion:	
Levy of 1889, from taxes	$ 803 42
" 1890, "	5,106 51
" 1891, "	41,259 80
" 1892, "	118,591 69
Total	$165,761 42

The figures in the Collector's report show that the amount of city taxes collected in 1893 was $239,694.34 less than in 1892. This want of promptness in payment of taxes is undoubtedly due to the business depression which extended over the entire country during the present year. The unpaid taxes are, however, a good asset and a proper set-off against the floating debt.

In the first twenty wards of the City the taxable basis for 1893 was $290,309,113, on which the total

collections from May to December 31st, inclusive, amount to $69\frac{38}{100}$ per cent. In 1892 the basis was $280,031,266, on which the collections in that year were $73\frac{49}{100}$ per cent. In the Twenty-first and Twenty-second Wards the taxable basis for 1893 was $27,748,787, on which the collections were $63\frac{87}{100}$ per cent. In 1892 the taxable basis on these wards $27,362,596, on which the collections in that year were $74\frac{16}{100}$ per cent.

APPEAL TAX COURT.

This report shows that the number of permits for the erection of new buildings in 1893 in the first twenty wards was 1,723 and improvements 532, with an assessed value of $3,342,275. In the Twenty-first and Twenty-second Wards permits were issued for 664 new buildings and 259 improvements, with an assessed value of $936,350. In 1892 the number of new buildings in the first twenty wards was 1,410 and 491 improvements, with an assessed value of $2,022,555. In the Twenty-first and Twenty-second Wards the new buildings were 556 and the improvements 218, with an assessed value of $764,007. This shows a gratifying increase in building in the city during the past year. Much of it is due to the facilities of rapid transit offered by the cable and electric street railways. That this is the case is illustrated by the large number of buildings erected in the border wards. In the First, Seventh, Eighth, Seventeenth, Eighteenth, Nineteenth, Twenty-first and Twenty-second Wards the new buildings erected were respectively 237, 358, 161, 123, 170, 343, 393, 271. In 1892 building was somewhat affected by the new building law, and it was stated in the Annual Message of January 1, 1893, "that

the scarcity of houses would doubtless cause more building in 1893." This is shown to have been the case by the above report.

The amount exempted by the Court in 1893, under the provisions of the ordinance exempting plant of manufacturing establishments from taxation, was $1,422,534; in 1892 the exemption was $2,127,280. The difference in favor of 1893 is due to the provisions of the ordinance excepting gas companies and newspapers from the benefit of plant exemption.

The total abatements made by the Appeal Tax Court in 1893, exclusive of plant, was $3,880,697, of which $2,725,539 was from personal property, and $1,055,158 from real estate.

HEALTH DEPARTMENT.

The cost of this department in 1893 in the first twenty wards was $99,364.40, including $4,000 for removal of garbage from docks and harbor, and $5,000 for canning house refuse by water, and $20,562.07 for Quarantine Hospital. In the Twenty-first and Twenty-second Wards the cost was $6,074.49. The number of deaths from all deseases was 9,554, a decrease of 1,028 as compared with 1892. The report states that the death rate for the year 1893 was 20.99 per thousand, based on the police census of 1890, a decrease of 2.26 per thousand as compared with 1892. The percentage would be smaller if computed upon an estimated population based upon the ratio of increase during the preceding decade, as is done by all the other large cities.

The population of Baltimore by the police census of

1890 was 455,427. The Health Officers and his assistants have used every effort, and with great success, to preserve the good sanitary condition of the city. The report makes many valuable suggestions in connection with disposal of garbage, public baths, a public disinfection plant, and food inspection. It also urges the necessity, for hygienic reasons, of providing a system of sewers for sewage matter, and the abolishment of the night soil pits. It also recommends the enactment of laws providing for more stringent regulations in the care and conduct of dairy stables and slaughter-houses.

QUARANTINE DEPARTMENT.

The report of the physician states that 662 vessels entering the port have been inspected during the year. There were no cases of cholera found, and only five vessels were detained for cleansing and disinfection. The amount collected and paid over to the Comptroller was $7,458.00. The report again calls the attention of the Council to the necessity for making some disposition of the old Quarantine Hospital, and suggests the appointment of a committee to inspect the premises.

FIRE DEPARTMENT.

The report of the Board of Fire Commissioners, submitted herewith, is doubly interesting by reason of the importance of that branch of the public service. The department consisting, as it does, of sixteen steam fire engine companies, nine hook and ladder companies, seven chemical engine companies, and one fire boat, and 304 officers and men, is now full paid. The call-man

has disappeared, and every member must, at all times, with short intermissions for meals, be in the engine house. The ringing of bells is no longer required, the telegraph notifying each company of the occurrence and locality of the fire; the bells would only serve to collect a crowd to interfere with the men employed to put the fire out. The department is not a large one; but the Board confidently assert that any fair investigation will demonstrate its thorough discipline and efficiency. The officers and men are brave, vigilant and active; the apparatus is the best of its kind; the horses are well selected and thoroughly trained. Strict civil service prevails in the management of the department. No man is appointed as a fireman without first having demonstrated his capacity as a substitute, and in making promotions seniority and good conduct are always consulted. The sessions of the Board are now open to the public and the correctness of these statements can thus be easily verified. The cost of maintaining the department for the first twenty wards was $321,155.41, and of the Police and Fire-Alarm Telegraph $24,971.16; and in the Twenty-first and Twenty-second Wards, Fire Department, $34,814.21,and Telegraph, $988.25; making in all a total of $381,929.03.

The report of the Board contains many excellent suggestions: Among others, an improvement in the building laws; putting electric wires underground; a gradual increase in the force of the department, and an enlargement of the water-mains in certain sections of the city. The Board also very properly suggests the acquirement of a suitable building for the care of injured and sick horses and where spare horses can be kept.

Provision should, in my judgment, be made for the appointment by the city or State of a paid Fire Inspector, whose duty it should be to investigate and report the cause of every fire.

POLICE AND FIRE-ALARM TELEGRAPH.

Accompanying the report of the Fire Department is that of the Police and Fire-Alarm Telegraph. This department recommends an increase in the number of fire-alarm boxes. If this is done they should be of the keyless pattern; for, as said in my last Message, "experience has shown that the difficulty in finding the key, or some one who has the key, of an alarm box often causes dangerous delay.

UNDERGROUND WIRES.

It is generally admitted that all telegraph, electric light, and other similar wires, now strung along our streets, should be put underground; they are not ornamental and greatly interfere with the efficiency of the Fire Department. Ordinance No. 106, approved May 1, 1893, authorized and directed the Board of Fire Commissioners and Superintendent of Police and Fire-Alarm Telegraph to advertise for proposals to furnish cables, conduits, and trenching, where necessary, for the purpose of putting underground the wires of the Police and Fire-Alarm Telegraph, making use, as far as practicable, of the right reserved under the provisions of an ordinance approved May 9, 1889, to use the conduits of the Chesapeake and Potomac Telephone Company, and appropriating $100,000 therefor, to be taken from the

$225,000 provided in the Six Million Loan for constructing conduits for underground wires in Baltimore. The ordinance of May 1, 1893, has since been repealed. Its object was, not to get rid of overhead wires generally, but to avoid the danger of interruption to the Police and Fire-Alarm Telegraph from injury by storms or blizzards to the overhead wires. If it is an accepted proposition that all the at-present overhead wires should be put underground, the question is, How to accomplish it? There are three ways: First, for the city to build conduits and then order the companies to make use of them; second, to grant the privilege to a private corporation to build the conduit and then compel the companies to use it; and, third, to obtain authority from the Legislature to order the overhead wires down; then for the Mayor and City Council to pass an ordinance compelling them to take them down within a reasonable time, and then let them build their own conduits.

To the first plan, the objection is the large outlay it would require the city to make to build the conduits with the doubtful revenue it would receive from rentals. To the second, the objection would be the difficulty, first, in getting a company to build the conduit, and next, the oppression that the telegraph or electric light companies might be subjected to by a private corporation. Therefore I think the third plan the best—that is, to compel them by legislation to go underground, and let them make their own arrangement, subject, of course, to the control of city legislation in getting there. In the case of the telephone it was necessary for its success to get underground to avoid the induction

caused by adjacent electric wires, and it was therefore willing to and does pay for the privilege.

As the use of the streets is a profitable privilege to both telegraph and electric light companies, and they are willing to pay a revenue for the erection of their poles, so I think they also should, as does the telephone company, pay an annual rental for the privilege of putting underground conduits along the line of our streets, even if compelled to build them in order to get rid of the overhead wires.

With the trolley wire I suppose we must put up for a while, at least until inventive genius provides a better way of running cars by electricity.

In connection with the Police and Fire-Alarm wires, I suggest the passage of an ordinance authorizing the Board of Fire Commissioners to appoint an expert engineer, at a sufficient salary, whose duty it shall be, under the direction of the said Board, to have these wires placed in cables and put underground, using, as far as practicable, the conduits of the Chesapeake and Potomac Telephone Company. I suggest that the ordinance providing for the appointment of the engineer be first passed; that officer can then devise the proper plan for putting the wires underground, with an estimate of the cost. A subsequent ordinance can then be passed, making provision for its payment out of the funds provided therefor in the Six Million Loan.

The Act of Assembly of 1890, chapter 370, provides that "the Mayor and City Council of Baltimore shall have power to regulate the use of the streets, lanes and

alleys in said city, by railway or other tracks, gas or other pipes, telegraph, telephone, electric light or other wires and poles, in, under, over or upon the same, and may require all such wires to be placed underground, after such reasonable notice as they may prescribe."

This Act of Assembly, in connection with the Act of 1892, chapter 200, authorizing the Mayor and City Council to construct conduits under its streets, gives, in my judgment, all the power necessary for ordering the wires underground after a reasonable notice.

GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS.

This department has charge of lighting the city and, in addition, the inspection of gas meters. In the first twenty wards there are 4,946 gas lamps, for which the city pays at the rate of $1.25 per 1,000 cubic feet for gas; 1,031 electric arc lights at a cost of 35 cents per lamp per night, and 518 gasoline lamps, costing $8.88 per lamp per annum. In the Twenty-first and Twenty-second Wards there are 623 gas, 547 gasoline and 4 electric lights. The contract with the Brush Electric Light Co. provides that the lights shall burn from sunset to sunrise, under a penalty of $1.00 per lamp. During the term of my predecessor and the last term of this administration it was understood that this penalty should not be enforced unless the lamp was out for a certain time, ranging from one to two hours, according to locality. A question having arisen recently whether or not such an arrangement was lawful, under the provisions of the ordinance under which the contract was

made, the city law officers decided that it was not, and the penalty is now enforced to its fullest extent. The Superintendent recommends a separation of the work of inspecting and sealing gas meters from that of the General Superintendent of Lamps, and requests the appointment of a committee of the Council to take into consideration his suggestions in this connection.

INSPECTOR OF BUILDINGS.

The report of the Inspector gives in detail the work of that department for 1893. The amount expended was $122,927.29; in 1892 it was $234,577.53. The net revenue was $9,089.11; in 1892 the revenue was $8,-064.21, and in 1891 it was $7,354.90. Three new school houses begun in 1892 have been completed, viz.: No. 1 English-German, Pennsylvania avenue and Dolphin street; No. 3 Colored School, Hill street, between Hanover and Sharp, and No. 8 Annex School, Francis street, near Clifton. A large school house is in course of erection in the Twenty-second Ward at Walbrook, and plans and specifications have been prepared and the contract is ready to be given out for the new Western High School, corner of Lafayette avenue and McCulloh street. The addition to No. 9 Annex School at Calverton is nearly completed.

The public buildings, including school houses, engine houses and market houses have been kept in proper repair.

The Inspector again suggests, in which I concur, that hereafter larger school houses be built, thus obviating the necessity of constant additions to old buildings.

CITY LIBRARY.

The report of the Librarian gives in detail a statement of the business of his office. It shows how valuable this department is to the city, and what constant use is made of its facilities for obtaining information on municipal matters.

COMMISSIONERS FOR OPENING STREETS.

This report gives names of streets and alleys opened and closed in 1893, with details of assessments. Total assessments on the city were $163,896.91. The Commissioners make the following recommendation which commends itself to your consideration:

"There is pressing need of an official list of the streets, lanes and alleys of the city, showing their location, lines and dimensions, and embodying a history of each, disclosing the time and manner of its origin and the changes it has undergone from time to time. Such a work would be valuable for reference, since nothing of the kind is in existence now. It should define the limits of the highway, declare whether it is public or private, show when it was opened and by what process, whether by condemnation, dedication, or otherwise, and what changes of name it has undergone, together with such other information as would prove useful to the average inquirer. To compile such a record properly will require intelligent work and research, but it would prove a most valuable acquisition when completed. The absence of such a convenience is embarrassing now, and its absolute necessity will be intensified and accentuated in the experience of the future."

BAY VIEW ASYLUM.

On December 31st, 1893, there were 1,648 persons in the Asylum; admitted during the year, 3,937; average number of inmates, 1,289. Total expense of maintenance was $97,297.16, and receipts paid into the City Treasury, $1,617.16. The cost of supporting the inmates was $74.19 per capita. The number of inmates December 31st, 1892, was 1,479. The report of the Trustees gives a detailed account of the management of the institution. The building is overcrowded and some relief is demanded in this connection. Notwithstanding the additional building provided a few years since for the accommodation of the insane, this class of patients has so rapidly increased that the capacity of the Asylum is no longer sufficient for their proper treatment.

Again the Board of Trustees urge upon the State the necessity of providing for taking care of its indigent insane. If the General Assembly now in session should make no provision in this connection, it will be incumbent on the city to increase the present accommodations. The importance of this subject justifies the following quotation from my last Message:

"The true way would be for the city to own a large tract of land, with a sufficient number of plain and inexpensive buildings thereon, to accommodate the patients, and with ground enough to be tilled by the inmates to afford them such constant outdoor occupation as would offer an opportunity for recovery. This contemplates the removal of all the insane from Bay View Asylum, which then would be occupied solely as an almshouse and hospital for the indigent. Should

this plan be too expensive, and it be decided to add to the present accommodations at Bay View, in my judgment, no other building should be put up without the acquirement of additional land. There is not room, in my judgment, on what we have there for the erection of another building for the insane. This matter is one of pressing need and great importance. It is earnestly presented by the Trustees of Bay View in their excellent report. I agree with them that a commission should be appointed to take the matter into consideration. I have no doubt that both Dr. Hurd, of the Johns Hopkins Hospital, and Dr. Brush, of the Sheppard Asylum, gentlemen who have given much thought to the subject of the best means of dealing with insanity, would gladly give to any commission the benefit of their valuable experience."

It is hoped, however, that the State will listen to urgent appeals of a large number of its citizens and relieve the city and counties from the care of the insane.

The city is fortunate in obtaining the services of the philanthropic gentlemen comprising the Board of Trustees, who devote so much time and attention to the management of this institution.

JAIL.

This institution continues to be admirably and economically managed by its Board of Visitors. The expense to the city in 1893 was $51,207.16, being $3,792.84 less than the amount, $55,000.00, appropriated for its maintenance. In 1892 the cost of maintenance was $53,338.47. The number of commitments was

11,232; of which 8,341 were for drunkenness and minor offences; the daily average was 496. The health of the prisoners has been good and well cared for by the physician, Dr. Hart. A recent fire destroyed the roof of the south wing of the prison, necessitating an expense of about $18,000, to be provided for in the appropriation for 1894. Full details of the management of this institution are given in the report of the Warden, which I send herewith.

WATER DEPARTMENT.

The net revenue from water rents, water supplies, plumbing bills, etc., for 1893, amounted to $764,552.37. This is less than in 1892, when the collections from the same sources were $778,726.51; but these large receipts in that year were due to the cost paid by the City Passenger Railroad to the extent of $57,176.61 for plumbing work done for the company by the Water Board in connection with cabling the road.

In 1893 the actual water rents collected were $11,300.71 more than in 1892, and the receipts from meter rents increased $18,832.81. The disbursements in 1893 of the department for maintenance, repairs, laying mains, etc., were in excess of the receipts, and at the end of the year the department was indebted to the city, as shown by the report, $117,985.94. This deficit was due to the large amount required for repairs, occasioned by the severe freezing weather of the past winter, and to the very serious break in the principal mains near Lake Clifton, the repair of which necessitated an expenditure of over one hundred thousand dollars.

During the year Guilford reservoir has been completed and is now furnishing water to consumers at Waverly and in its vicinity. In 1893 new applications were made for water from 2,668 houses and warehouses, which it is estimated will add $18,277.50 to the revenue in 1894. The number of new fire-plugs erected was fifty-nine, making a total of 1,479 in the city. Ten new drinking fountains were put up, making a total of one hundred and seventy-six.

In 1894 the water bonds issued in 1874 become due and payable, viz.: $263,000 bearing 6 per cent., and $3,737,000.00 bearing 5 per cent. interest. The Water Board respectfully suggest that these bonds be paid from the general sinking fund, and that a new loan of two millions be authorized to enable the Water Board to comply with the public demand for larger and constant extension of mains and other improvements.

The Water Board met with a severe loss in the death of its Chief Engineer, the late Robert K. Martin, who had been in the service of the department for thirty-six years. He has left a lasting monument in the Gunpowder system of the water supply of this city.

NEW COURT-HOUSE.

The ordinance authorizing the Six Million Loan provided for an expenditure of $1,750,000 for the purchase of ground and erection thereon of a new Court-house and Record Office. Under the provisions of Ordinance No. 108, approved May 1st, 1893, a Commission was appointed consisting of the Mayor and Messrs. James Hodges, Henry D. Harlan, James E. Tate, Frank N.

Hoen, Robert H. Smith, Felix Agnus and Augustin J. Dalrymple, with authority to purchase the site and erect a proper building thereon. Under the power granted in this and supplementary ordinances approved May 25th and 29th, 1893, the Commission have acquired for the city all the land on the square bounded by Lexington, St. Paul, Fayette and Calvert streets, paying therefor the sum of $339,438.63.

In accordance with the terms of the ordinance approved May 25th, they have invited Professor William R. Ware, of Columbia College, New York, "to give them professional advice and assistance in formulating instructions and regulations for architects," and also "to aid the committee in making their award."

The committee have, in accordance with the terms of the ordinance approved May 29th, giving them power, "in their discretion, to invite one or more architects of extensive reputation to submit plans," invited the following five architects or firms of architects, outside of the city of Baltimore, to submit plans in accordance with the instructions and regulations hereinafter laid down, and have agreed to give to each of them in compensation therefor the sum of four hundred dollars: Messrs. McKim, Meade & White, Carrerè & Hastings, and Bruce Price, of New York; Messrs. Peabody & Stearns, of Boston; and Messrs. Burnham & Atwood, of Chicago.

They have also specially invited the architects of Baltimore, resident or having offices in Baltimore city on and since January 1st, 1893, to submit designs under the same instructions and regulations, and offered to

give to those among them who may prove to be the authors of the five designs so submitted, judged to be the best by their professional adviser, a like sum of four hundred dollars each.

They have also invited all architects and firms of architects to submit drawings, those who please to accept the invitation being assured of the same consideration as the architects specially invited, though they will receive no compensation.

It will thus be seen that the very widest competition is afforded in connection with the design of the building. So large a sum being required for the purchase of the ground, the amount remaining of the $1,750,000 is, in the opinion of the Commission and its consulting architect, not sufficient to provide such a building as will meet the present and future—at least for many years—wants of the city. The Commission have, therefore, thought proper to ask for an enabling Act authorizing the expenditure, in addition to the sum already provided, of not more than one million of dollars, should it be found necessary, and be deemed advisable by the Mayor and City Council, in the erection of a suitable building. The present City Hall cost over two millions of dollars, and although buildings are doubtless erected at a less price now than then, an examination of the prospectus issued by the Commission, entitled "Instructions for architects in preparing plans for a new courthouse," will show that the space necessary for proper accommodation of the courts in the new building is equal to that required for the accommodation of the municipal government in the City Hall. In this con-

nection it should be considered that provision is to be made in the new court-house for the police department, thus affording additional and much-needed room in the City Hall, and also for rooms for additional courts which may hereafter be authorized by the Legislature. The enabling Act referred to does not necessarily require the additional expenditure. It only enables the Mayor and City Council to consider whether it will adopt the suggestions of the Commission and erect such a building as is contemplated in the prospectus.

PUBLIC PARKS.

The Park Commission has charge of the following parks and squares:

Druid Hill Park, 700 acres; Patterson Park, 106 acres; Federal Hill Park, 8 acres; Riverside Park, 17 acres; Carroll Park, 19.72 acres; Johnson Square, Collington Square and Mount Royal Terraces. These, together with other public squares in charge of local commissions, are maintained from the revenue derived from the park tax on the city passenger railroads.

The amount applicable to the maintenance of parks in 1893 and expenses were as follows:

Balance on hand January 1, 1893	$ 4,061 89	
Receipts from City Passenger Railroads	212,924 58	
Receipts from rentals, sales, fines, &c	4,345 06	
		$221,331 53

Disbursements:

Interest on Patterson Park extension loan.....	$ 8,000 00	
Maintenance and improvement of all parks and squares.	210,953 37	
Balance January 1, 1894...	2,378 16	
		$221,331 35

In 1892 the revenue from the city passenger railways was $193,327.55.

The Park Commission in its report and in that of its engineer gives full details of the work done during the year. The management of this department is most excellent, and the members of the Board faithfully discharge the duties imposed upon them.

The city is indebted to the public spirit and liberality of Mr. William Wallace Spence for a colossal bronze statue of the Scottish hero and martyr, Sir William Wallace. This splendid work of art is a valuable acquisition and attraction to Druid Hill Park.

STREET CLEANING DEPARTMENT.

The total amount appropriated for this department for 1893 was $370,086.00. This included a special appropriation of $50,000 for removing ice and snow and cleaning the streets during the past winter. The amount expended was $359,896.91.

This expenditure was distributed as follows:

Cost of collecting garbage and street cleaning	$275,033 41
Amount expended on dump	5,188 75
Cost of tools	1,785 13
Expense of running sweeping machines, including purchase	8,612 72
Contract price for removing garbage from city	9,500 00
Salaries	9,999 68
Expended under special appropriation	48,696 84
Clerk employed under special appropriation	145 30
Tools purchased under special appropriation	935 08
	$359,896 91

Of this amount $22,735.14 was expended on the Twenty-first and Twenty-second Wards.

During 1893 two additional sweeping machines and three additional sprinklers were purchased, giving six sweepers and five sprinklers. The report recommends an increase of these machines to ten, they having proved most successful. They give equally good results on cobble stones as on smooth pavements.

The department now employs 144 sweepers and scrapers, 64 street carts, 6 sweeping machines, 5 sprinklers and 155 garbage carts. Sweepers and scrapers receive $10 per week, and owners and drivers of garbage carts $18 per week. The sweeping machines and sprinklers are supplied with drivers, harness and horses

by contract at $3.44 per day for machines and $2.14 per day for sprinklers. The Commissioner suggests the organization of a separate corps of men to clean the markets. There are eleven markets, which require cleaning three times a week, and the men are now withdrawn from the streets for this purpose, thus consuming about one-third the time of the entire street force, and suspending during such time the work of the machines. This would, however, require an addition of 25 men and 12 carts, with an outlay of $25,000 per year.

A strict enforcement is urged of the ordinance prohibiting the throwing of any rubbish on the streets or sidewalks.

The passage of an ordinance is suggested compelling owners of lots, in laying them off for building purposes, to provide that alleys should run the full length of the lot, from street to street, and that the said owners should have the alley paved with a smooth pavement.

The use of iron carts, similar to those used in New York for removing garbage, is recommended. This would avoid the complaint frequently made of leaking, smelling garbage carts.

The Commissioner again calls the attention of the Council to what we have very frequently recommended—that is the great improvement in this service that would follow a change in the law by giving to the head of the department the employment of all the men engaged in cleaning the streets. These men are now em-

ployed by the district superintendents, and the Commissioner is held responsible for cleaning the streets and the regular and prompt removal of garbage, and yet is powerless to meet this responsibility by reason of the defective system in his department, the men who do the work being employed without even his approval.

HARBOR BOARD.

For purpose of harbor improvements in 1893 there was appropriated $85,000. The expenditures were: For dredging harbor, docks and channels, $59,747.66; for dredging Jones' falls, $25,000. The quantity of material removed from the harbor was 296,507 cubic yards, at an average price paid contractors of $15\frac{73}{100}$ cents, and for general supervision administration $2\frac{04}{100}$ cents per cubic yard. All the docks emptying into the main harbor on both sides, including docks on Light street and head of basin, were dredged to hard bottom. Channels in Middle Branch were re-dredged to 12.15 and 17 feet as required. Jones' falls was dredged to 12 feet as high as Baltimore street, and 14 feet from thence to Fayette street. The material removed from Jones' falls was 62,783 cubic yards, at a price paid contractors of $33\frac{36}{100}$ cents, and for administration and supervision $4\frac{16}{100}$ cents per yard. To give an idea of the total amount of material removed by dredging in 1893, it was equivalent to digging a ditch 45 feet wide, $3\frac{3}{4}$ feet deep and 11 miles long. The ice-boat was in active service from December 28, 1892, to February 25, 1893. The ice during the past winter was unusually heavy, necessitating large repairs after the work was over, including new wheels,

donkey boiler, &c. The old wheels had been in service for fourteen years. The gross annual expenditure for maintenance, operation and repairs to this boat for the past fourteen years, including service for the free summer excursion society, has been an average of $9,989.33. During the summer 14,942 persons were carried to Chesterwood on the ice-boat under the auspices of the society.

In addition to its own ice-boat, the city is required by the Legislature to appropriate $10,000 per annum for the maintenance of the State boat "Annapolis," the State making a similar annual appropriation. The "Annapolis" is under control of the Harbor and River Relief Board, composed of the President of the Corn and Flour Exchange, the President of the Board of Trade, and the Mayor. In the Message of the Governor to the General Assembly, he recommends that this commission be changed to the Governor, the President of Board of Trade, and the Mayor. In my judgment better results could be obtained, with less cost, if both of these boats were under one management. I therefore respectfully suggest to His Excellency to recommend that the "Annapolis" be put under control of the Harbor Board of Baltimore, subject to any order that may be given by the Governor of the State.

THE WESTERN MARYLAND RAILROAD.

By resolution of the Mayor and City Council, approved November 21, 1892, a Commission was appointed to inquire into the condition of the Western Maryland Railroad Company. This Commission, composed of

Messrs. C. Morton Stewart and Mendes Cohen, with the Mayor, Comptroller and Register, made a thorough investigation of the subject and a full report thereon to the Mayor and City Council. It does not seem as if the report received the attention to which it was entitled, when the large interests of the city in the Road are considered. Although the work of the Commission ended with the completion of the report, it has, nevertheless, watched with interest the progress of the Railroad, and at a recent conference of the members of the Commission, and after reading carefully the report of the President of the Road to the Mayor and City Council, dated December 15, 1893, the Commission suggests the following recommendation:

"That the Mayor and City Council of Baltimore require the management of the Western Maryland Railroad to report semi-annually an exact statement of assets and liabilities, of loans and hypothecation of stocks, of amount due to the city, and of unpaid interest due to the city, and that these accounts be presented to the Register and Comptroller in such form as can give to the city authorities a correct idea of the value of the property."

TOPOGRAPHICAL SURVEY.

An ordinance approved October 7th, 1892, authorizing the issue of the Six Million Loan, set apart $125,000 to to be expended in making a geodetic and topographical survey of the city. The Mayor, Comptroller and Register were constituted a commission, by an ordinance approved April 26th, 1893, to prescribe and approve the

general method to be pursued in this connection. The commission appointed Major Henry T. Douglas as its chief engineer, with a sufficient corps of assistants. The work is now in progress, and the engineer's report submitted herewith indicates what has thus far been accomplished. When completed this survey and the maps made in connection therewith will be most useful in all future construction of sewers, laying out of streets, establishment of grades, &c. Its value can scarcely be estimated, and those connected with the administration will have the satisfaction of realizing that it is seldom more important legislation is enacted for the general benefit of the community.

CITY COMMISSIONER'S OFFICE.

This department has charge of paving and repairing streets, construction and repairing of sewers and bridges, and of all city work of a similar class. Its chief is the City Commissioner, with Engineers Hook, Kahler and Duvall as assistants, and Engineer Frederick H. Smith as superintendent of bridge construction. Under its supervision large amounts are annually expended. Its work is constantly the subject of criticism; but I believe that any fair and thorough investigation will show that it is as good and as economically conducted as in any city in the country. I have often suggested that the Mayor be authorized to appoint an engineer, to be paid for his services, to inspect the new sewers and pavements, and report upon their quality and cost to the Mayor and City Council. This recommendation is again made; but in place of the Mayor appointing this engineer, I suggest that the duty be

imposed on the Commission on Street Paving. It could doubtless secure the services of its distinguished consulting engineer, Captain Feeburger, U.S.A., and I am sure his report would give especial satisfaction to the much abused officials connected with this department. The report might be confined to two of the large sewers and two newly-paved streets of each kind of improved pavements. The salary of the City Commissioner is $3,000, his three assistants $1,800 each, and the Superintendent of Bridge Construction $2,500 per annum. The report of the department is very full, and gives a detailed account of all the work, with amounts appropriated, expended and balance left over, for each improvement. I commend it to your careful consideration.

STREET PAVING.

A full account of the mode of laying improved pavements is given by the Commissioner. The Six Million Loan provided for the expenditure of $1,600,000, in repaving streets with improved pavements. Under the present system the city pays the entire cost; formerly it paid one-third, and the adjacent property two-thirds, the city paying the full cost of the cross streets. When the present system was adopted, property-holders naturally desired streets on which their respective property fronted to be improved. The members of the Council, yielding to the wishes of their respective constituents, passed ordinances for such improvements that if all became laws would require more than double $1,600,000 to comply with. It therefore became the duty of the Executive to select for repaving such streets as in his opinion would best serve the public interests to

have improved. This was done after consultation with the City Commissioner.

The kind of repaving was by provision of the respective ordinances confined to Belgian blocks, sheet asphalt and block asphalt. Four squares only laid with vitrified brick. The sheet and block asphalt were laid by contract; the former costing $2.70 per square yard, and the latter $2.50; both warranted for two years. The sheet asphalt has a concrete foundation, and, in accordance with the requirements of the ordinance, is made of what is known as Trinidad Lake Asphalt. The asphalt blocks are laid on a sand foundation. The Belgian block pavements, with one exception, Maryland Avenue, which has been done by contract at $2.54 per square yard, have been put down by labor employed by the city, the blocks, kerbing and sand being purchased after proposals are asked for from the lowest bidder. The Belgian blocks are laid on a sand foundation, which, if the pavement is permitted to remain undisturbed, has given excellent results, a notable instance being Light street, south of Pratt, where a Belgian block pavement laid in 1874, subjected to constant and heavy travel, and with only one repairing, during the fall of 1893, is still in a fair condition. In laying Belgian blocks the city is required by ordinance to pay $1.66 per day for its labor, and its employees work nine hours, thus putting it somewhat at a disadvantage in cost of work with the contractor, who regulates his own prices and hours. But the price of laying Belgian blocks varies so much with the locality and surrounding circumstances, that the cost of repaving one street cannot be used as a standard price for all. The line of one street may be, as are many of our

thoroughfares, a natural sand bed, thus giving a large saving in the cost of sand; it may be close to the place of the delivery of the blocks, thus requiring only a short haul; one that may have a line of street railway causing frequent interruptions of the work. A street like Concord street, newly widened, may require a large expenditure to obtain a good foundation for the pavement. Another street may present no such difficulties. Should Belgian blocks all be laid by contract, it would be found that the conditions connected with each street to be so paved would make a large difference in the proposals for the work. The report gives the name of each street repaved, with the amount appropriated and expended for the work.

In connection with this subject it is gratifying to know that a commission of five well-known citizens has been appointed to thoroughly investigate the subject of street paving, the result of which cannot fail to be of much interest to this and other cities.

SEWERS.

A full statement is given in the report of the sewers now being constructed and those completed during the year, with the cost thereof. This work is done with labor employed by the city, and not by contract. The testimony of all engineers who have inspected these sewers shows that the work is of the very best and most improved character, and if submitted to the test hereinbefore suggested, I am sure the cost will not be found excessive. Contract work may possibly be a little cheaper, but experience here has shown that it is inferior in results. A mistaken idea prevails in regard to the purpose of the sewers that have been constructed

in recent years in Baltimore. Many persons suppose hey are intended for sewerage matter, and should therefore form part of such a system. This is not the case; they are for storm water. Sewers for sewerage matter should be entirely disconnected with our storm water sewers.

SEWERS FOR SEWAGE MATTER.

A resolution approved May 25, 1893, authorized the appointment by the Mayor of a Commission of three, "who should examine into the necessity for a more perfect system of sewerage for the city of Baltimore." A subsequent resolution appropriated five thousand dollars to pay the necessary expenses incurred by said commission. A report of what has been done in this connection is submitted herewith. From it will be seen that the Commission considers it absolutely necessary that a system of sewerage for sewage matter should be adopted in Baltimore. The sewers already constructed at large cost in different sections of the city are, as I have said, storm-water sewers, taking the place of what were natural water courses in the topography of the city. They were never intended as the receptacles of night soil and other sewage matter that are emptied therein through the numbers of private drains and sewers for which permits are almost daily given from the City Commissioner's office and by resolutions of the Council. There is not a large hotel or public building, including the City Hall, that does not empty its night soil into a storm-water sewer. As these sewers all end at the Spring Gardens, the basin or Jones' falls, those places, or receptacles, are being

polluted by the constant inflow of this matter, thus interfering with the comfort and endangering the health of the community.

With the rapid growth of the city the continuation of the cess-pool system should not be contemplated. Nothing remains, therefore, in this connection but to make early provision for a system of sewage sewers. It has, in fact, become a necessity. I am sure that the Commission thus appointed will suggest the proper plan, and the problem then to be solved is how best to carry it into effect. As with the underground conduit for wires, there are two methods of providing for a sewerage system: First, The city doing the work and owning the sewers. Second, To grant the franchise to a company or corporation. The cost of such a system would be large, and it is doubtful if the people would agree to such an increase of the public debt as would be required to provide for it. This is an obstacle that would present itself in considering the first plan. The second plan could probably be carried out, and the city obtain a revenue from a tax on the gross receipts of the company which would do the work for the franchise granted and retain the right to purchase the system of sewers, said right to be exercised at certain fixed periods. In order that the Mayor and City Council may have an opportunity of considering this subject and acting thereon, an Act of Assembly has been prepared for submission to the Legislature, authorizing and empowering the city, should it be deemed advisable, to contract for the construction of a proper system of sewerage. This is really in the line of the suggestion often made to give the city control of its own streets.

REPORT OF SUPERINTENDENT OF BRIDGES.

This department is in charge of Engineer Frederick H. Smith whose very full statement of all work done in this connection is submitted as part of the City Commissioner's report.

The most important bridge now being erected is that on the line of North avenue, for the construction of which a contract was awarded to Messrs. L. B. McCabe & Bro. for $319,915. The material used is the white Texas and Beaver dam marble, and when completed it will be a very handsome structure. The favorable weather has enabled the contractors to push on rapidly with the work. The amount thus far expended is $104,018.50. The contract for Maryland avenue bridge has been awarded for $13,489. Baltimore and Lexington street bridges over the Falls have been completed during the year. The Ramsay street bridge over Gwynn's run is in course of construction, the work being done by labor employed by the city as required by ordinance approved March 29, 1893. An ordinance approved April 10, 1893, appropriated $30,000 for construction of a new bridge over the Baltimore and Potomac Railroad on the line of Edmondson avenue. This work will commence in the early spring. The new bridge will utilize the iron trusses formerly used in the Baltimore street bridge.

REORGANIZATION OF CITY COMMISSIONER'S DEPARTMENT.

This has often been contemplated. The matter will again present itself for your consideration. In this connection a Board of public works or a commission has been suggested. A reason assigned for such a board

is to secure permanency of office to the executive officer, and remove him from any special influence of or obligation to the confirming power of the City Council. In my judgment, however, better results will follow the concentration of responsibility than by dividing it among the members of a board. The reorganization, therefore, that I would suggest would be to add strengh to the department by giving it a stronger force. After all experience will prove that it is generally the man who makes the office strong and effective. This can be done by enacting an ordinance authorizing the appointment of a chief with a salary sufficiently large to command first-class ability. His duty should be to give general supervision and direction to the entire work. He should always be found at certain hours at his office in the City Hall. Give him a chief clerk, a stenographer, type-writer and such other clerks and draftsmen as are required. There should then be a chief assistant, who, under direction of the chief, should supervise all outside work, and have as now three assistants—one in charge of sewers, one of pavements, and the other of work in Twenty-first and Twenty-second Wards. There should be as now an engineer in charge of bridge-building and repairs, and such other outside assistants as are required from time to time.

In connection with the employment of labor, some fixed and public rule should be established, so that employees would have no reason to believe, whether such belief was justified or not, that obtaining or tenure of employment depended upon the personal solicitation of members of the City Council. If such a rule was adopted, it would, I am sure, be a great relief to every member of your honorable body, and especially to the

department employing the labor. The importance of this subject is such that if a reorganization of the department is seriously contemplated, the matter should be referred to a special committee, of which I respectfully suggest that the Presidents of both Branches of the City Council should be members.

PUBLIC SCHOOLS

The number of schools during the year was 171; of which 160 were day schools, with 1,464 teachers and 57,048 enrolled pupils. Eleven were night schools, with 46 teachers and 1,821 enrolled pupils. Total number of pupils, 58,869. Average attendance, 45,846 in day, and 1,152 in night schools. Total attendance during the year, 71,246. Average cost of pupils, $18.55 per capita. Average salary of teachers, $572.29.

The cost of maintenance of public schools during the year was $1,058,413.04. The receipts were as follows:

City Collector, taxes.....	$793,658 49	
State Treasurer.....	213,941 58	
Non-resident pupils.....	3,456 50	
J. F. Plummer's legacy.....	114 50	
Special appropriations, &c..	42,505 24	
		$1,058,676 31

In 1892 the amount received from City Collector was $671,471.66, and from the State $184,697.89. The report of the State Comptroller shows that during the fiscal year ending September 30, 1893, the amount received by the State from Baltimore city for school tax was $269,311.81, and the amount paid by the city was

$204,360.11, thus indicating that the city contributed $64,951.70 for the State schools.

Of the amount expended—$1,058,413.04—the schools in the Annex cost $119,999.68; in the first twenty wards $933,676.63, and the World's Fair Exhibit $4,736.73. In addition to this amount, there was expended by the Inspector of Buildings for new school houses and repairs, $67,356.87. The total amount therefore expended in connection with public education in Baltimore in 1893 was $1,115,769.91.

For the year 1894, the report gives the following as the requirements:

Salaries of officers and teachers, and other expenses in schools in first twenty wards	$972,200 03
Polytechnic Institute	30,910 00
Colored Manual Training School	9,405 00
Salaries of teachers and expenses in the 21st and 22d Wards	138,300 00
Total	$1,150,815 00

This is exclusive of the amount required for new school buildings. The estimate is about $100,000 more than the amount expended in 1893.

In this connection I quote from the report of the President of the School Board:

"The above estimate is in excess of the estimate and expenditures of last year; but is fully justified in view of the expected increase in the number of pupils during this year. The increase last year was greater than during any previous year in the history of the schools, and it is probable that it will be even greater during

this year. The increase in the number of pupils necessarily requires the appointment of many new teachers, the purchase of furniture and books and other school appliances, and the erection of new houses, all of which necessitate increased appropriations. Our citizens are invited to send their children to our public schools and to co-operate with us in the important work of free education, and the city therefore should make ample provision for their care and support by liberal appropriations. There is no tax that our citizens pay more willingly than that which is levied for the support of our public schools, and they therefore should be gratified in their demand for comfortable school houses and all the appliances that are neceesary to successfully conduct the schools."

The above statements show that the cost of maintenance of our public schools requires over one-fifth of all money annually received from collection of taxes. The importance of a proper administration of this department, by the selection of suitable members of the Board of Public School Commissioners, is thus brought directly to your consideration.

SCHOOL BUILDINGS AND CITY COLLEGE.

In the Six Million Loan, the sum of $400,000 was set apart for purchase of ground and erection of school houses. The whole of this amount has been disposed of by ordinances, although not yet expended. Among these ordinances is that providing for the new Western Female High School and the Baltimore City College; for the former $30,666.66 for the ground and $100,000

for the building, and for the latter $200,000 for ground and building.

Of the 112 buildings occupied by the present schools, 88 are owned by the city and 24 are rented. The report of the School Board directs attention to the necessity for additional buildings. The City Council must remember in that connection that provision for such buildings must be a charge on the tax levy, as the amounts of $800,000, provided in the Five Million Loan of 1888 and the Six Million Loan of 1892, have already been disposed of.

In connection with the Baltimore City College, the report of the Board states that when the appropriation of $200,000 was made for purchase of lot and erection of building, it was thought to be sufficient, "though much less than the cost of similar buildings elsewhere." The commission to select the lot was the Mayor, Comptroller and President of the School Board.

There were three propositions that presented themselves:

1st. To restore the old college building with certain improvements, and let the City College remain on its present site. This certainly would be the cheapest. There is a ground rent of $4,500 per annum on the present site, which the city must pay whether the college stays there or not, as in my judgment the lot is unsalable with that burden upon it. To rebuild would prevent the opening of Centre street, which it is desirable, in the judgment of many, to push forward to Eutaw. In addition to which many persons believe the present site is unsuitable, and the college should go elsewhere.

2d. To put the college on the northwest corner of the Bolton lot. This ground belongs to the city. It is large

enough to erect a suitable building, and while it is true the railroad depot would be behind the college it would be thirty feet below the ground on which the college stood, this selection would permit the City Council to give the full $200,000 for the erection of the building. To this plan objection was made by many on account of the proximity to the depot, and what some called the undesirableness of the neighborhood. The objectors did not think apparently that this might improve. I do not hesitate to say that, in my judgment, there are many reasons why, if the college should go from its present site, the northwest corner of the Bolton lot is worthy of consideration.

3d. The only other site presented that, in the judgment of the commission, was considered as suitable, was the lot belonging to Mr. W. W. Spence, known as "Bolton." This is a model lot in every way, and no better site could, in my opinion, be selected. The only question is that of cost. This is the most serious of all objections; and however much the friends of the college may desire it, they must realize as citizens that the finances of the city are not at present in condition to purchase the lot and erect thereon a suitable college building.

The President of the School Board says in his report: "The amount appropriated, *i. e.* $125,000 for the erection of the building, $75,000 being for purchase of the lot, is wholly insufficient to erect a building commensurate with the wants of the school. A competent architect of this city proposed a plan for the building, embracing all the class-rooms required, and the estimate was nearly double the appropriation of $125,000." President Morris then gives the amount expended on

such buildings in other cities, ranging from $418,000 in Boston, $250,000 in Omaha, to $150,000 in Portland, Oregon, in addition to cost of ground. Under these circumstances the commission have taken no action, and the City College is now accommodated temporarily in one of the newly erected school houses. It is well, however, for the City Council and the friends of the college to understand the situation from a plain statement of facts. The college must continue on the old site, which can be done by remodeling and restoring the old building at a comparatively moderate cost, or it must go on the Bolton lot where the city owns the ground, or else more money must be appropriated than $200,000 for lot and building, and the extra amount must be provided for in the levy.

CONDITION OF THE SCHOOLS.

The report states that "the general condition of the schools is very satisfactory; the increase of the number of pupils has been greater than during any previous year." Instruction in sewing has been introduced, and the Board is now considering the subject of introducing instruction in the science of cooking. It refers to the creditable exhibition of the work of the Manual Training School, now the Baltimore Polytechnic Institute, and the Colored Manual Training School at the Columbian Exhibition. It requests liberal provision for support of the schools and a special appropriation for purchase of lot adjoining the Polytechnic Institute with a view of enlarging the school.

REFORMATORY INSTITUTIONS.

The usual appropriation for these useful institutions is recommended. The reports of the House of Refuge, St. Mary's Industrial School for Boys, the House of Reformation for Colored Boys, Industrial School for Colored Girls, and Female House of Refuge, all indicate efficient and economical management. The city is represented in the board of management of each.

In the House of Reformation for Colored Boys there are 274 inmates, a large proportion of whom come from Baltimore. This useful institution is overcrowded and needs additional room. It is the only place to which boys of this class can be sent who are uncontrollable by their parents or have committed some petty offence against the law. Its president is Mr. Enoch Pratt, its founder, who has always taken much interest in its successful operation. The President and Board of Managers ask for a special appropriation of $8,000 each from the State and city to put up an additional building.

MARYLAND INSTITUTE.

This institute should be regarded as a part of our system of public education. Here over 1,000 pupils are given instruction in artistic, mechanical and architectural drawing. The annual charge is small, and the city has the privilege of sending a certain number of pupils without pay. Its graduates are always in demand in manufacturing, mechanical and artistic callings, and its reputation is second to no technological school in the country. Aided by the State and city, it

has returned full value for the appropriations made in this connection. The same appropriation made in 1893 is suggested for 1894.

NEW LOAN.

An enabling act has been prepared to be submitted to the Legislature, giving authority to the Mayor and City Council, after a vote thereon by the people, to issue bonds to the extent of five millions, or so much thereof as the Mayor and City Council shall see proper, for the following purposes. In this connection it must be understood that if these bonds should be issued it is not proposed to make the interest, except upon a portion thereof, a charge on the tax levy. The act provides that the city shall have authority to expend not more than one million of dollars for the purchase of Clifton or other parks, the interest upon which sum shall be a charge on the park fund, now derived from the city passenger railways. The next expenditure authorized is two millions for the extension and enlargement of the water supply of the city of Baltimore, and for laying additional water mains therein, the interest upon which sum to be a charge on the revenues of the Water Department, and the balance of the loan for furnishing additional means, not exceeding one million dollars, for the construction of the new court house, and for funding the floating debt or providing for extension of city stock falling due in 1894.

It does not follow that the Mayor and City Council must necessarily authorize these expenditures; the enabling act only affords the city an opportunity to avail itself of the power thus granted, should it be

deemed wise to do so, without having to wait two years for another session of the Legislature. In this connection the following reasons for these expenditures may be considered:

It is necessary to provide means for extending the water mains in the Twenty-first and Twenty-second Wards, and also for increasing the size of many of the mains in the central portion of the city. The latter is essential if the Fire Department is to be given increased facilities for extinguishing fires. The revenues from the Water Department do not justify the expenditures required in this connection. Four millions of Water Bonds fall due in 1894, and will doubtless be paid off. It is, therefore, only reasonable to ask authority for the Board to make the additional expenditures for improvements so urgently demanded in the system of the water supply of the city. The expenditure would extend over many years, and the water revenues would easily meet the interest on the amount.

The item providing for the purchase of Clifton or other parks commends itself as affording an opportunity for the Mayor and City Councils to consider the advisability of purchasing the Clifton estate for public park purposes. This beautiful tract of land now belongs to the Johns Hopkins University, the Trustees of which have intimated a willingness to dispose of it to the city. It lies in the northeastern section of the city, with Lake Clifton on its southern border. It would make a beautiful pleasure ground, and its improvement as a park would add as much to the taxable basis, by enhancing the value of the adjacent property

in the northeastern section, as did Druid Hill for the northwestern section. Nor should any assistance rendered to the Johns Hopkins University by the purchase of Clifton be a matter of indifference to the Mayor and City Council. The University is one of our great institutions of learning; it has done much to carry the name and fame of Baltimore throughout this country and Europe, and it is well if, while securing a public improvement in the way of Clifton Park, we help along the Johns Hopkins University. The revenues of the city from the street railways, which are increasing with the new system of rapid transit, can provide for the interest on the amount authorized to be expended in this connection.

The matter of the new Court-house has already been referred to in another part of this Message.

The other provision is to authorize the Mayor and City Council to fund the floating indebtedness, or extend a portion of the City Loan of four million dollars, falling due in 1894. The probability is that neither will be availed, as the floating debt will not be funded, and the bonds will be paid off.

CONCLUSION.

The importance of the subjects commented on in this Message is the apology offered for its length.

I am, very respectfully,

your obedient servant,

FERDINAND C. LATROBE,

Mayor.

ANNUAL REPORTS

OF THE

Register of the City

AND OF THE

COMMISSIONERS OF FINANCE

TO THE

Members of the First and Second Branches

OF THE

CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT

— OF —

JOHN A. ROBB,

REGISTER OF THE CITY.

REGISTER'S REPORT.

OFFICE OF THE REGISTER OF THE CITY,

BALTIMORE, January 2, 1894.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

Your Register presents his "account of all moneys received and expended by him during the past year;" a "statement of the estimated receipts and payments required for the coming year;" also tables showing the funded and guaranteed debt of the City as of December 31st, 1893, the productive and interest bearing securities of the City, the unproductive securities, and the monthly returns of the "Keepers of the Standards of Weights and Measures"—the latter required by Ordinance No. 9, of 1881.

The receipts into the Treasury of the City from all sources during the fiscal year ending December 31st, 1893, as exhibited in Tables D and E, and also the balance sheet of the ledger were..$11,025,541 01

Amount brought forward	$11,025,541 01
To which add cash balance December 31st, 1892	263,040 48
Making the amount of cash to be accounted for	$11,288,581 49
The total disbursements as detailed in Table D for the fiscal year 1893 amount to	10,716,199 95
Leaving a balance in the Treasury December 31st, 1893, of	$572,381 54

applicable to the payment of interest on the Public Debt due January 1st, 1894, amounting to $352,072.11, and current expenses.

The following usual statement of the actual receipts and expenses of the City Government, compiled from Table D, separates the income and expenses from those items which are merely receipts and disbursements:

RECEIPTS—INCOME FROM TAXES, INVESTMENTS, &C.

From City Collector, levy of 1893	$3,270,900 57		
" City Collector, levies of previous year	1,059,665 94		
" City Collector, interest on arrears	24,349 52	$4,354,916 03	
" fines, Jail and removed cases		21,310 18	
" Bay View, Mount Hope and Maryland Hospital		3,234 32	
Amount carried forward		$4,379,460 53	

Amount brought forward	$4,379,460	53
From Health and Fire Department and cleaning streets	9,089	10
" Inspector of Buildings	9,495	94
" City Commissioner	3,988	57
" public schools, tuition fees and J. F. Plummer	3,571	00
" General Superintendent of Lamps	2,526	95
" market houses and halls	51,813	00
" wharfage and rent of wharves	32,550	81
" interest on deposits and other sources	3,449	11
" general licences	57,696	40
" liquor licences	390,137	89
" auction duties	7,252	45
" Chesapeake and Potomac Telephone Co	4,635	80
" Rent of Imperial Hotel, &c.	2,457	50
" turnpike dividends	157	61
" sale of City property	873	54
" conscience fund	80	00
" Bolton property	139,936	04
" sale of old material	4,948	79
" aggregate of sundry small items	1,356	60
	$5,105,477	63

Amount brought forward		$5,105,477 63
	RECEIPTS—NET INCOME.	
From	State of Maryland for Public Schools	213,941 58
"	City Passenger Railways for Park Board	212,924 58
"	Park Board sales of live stock	4,345 06
"	Park Board, for parks and squares	35,310 07
"	Water Board, for interest on Water loans	512,630 00
"	Park Board, for interest on Park loans	8,000 00
"	Commissioners of Finance, to pay interest on Western Maryland Railroad loans	80,820 00
"	Western Maryland Railroad Company, to pay interest on Western Maryland Railroad loans	41,370 00
"	tax sales	2,539 62
"	Water Board	771,634 12
"	temporary loans	2,073,211 33
"	Commissioners of Finance, for Enoch Pratt Free Library	12,500 00
"	State tax on City loans, collected for State of Maryland	6,676 13
"	condemnation of land for Park purposes	41,591 57
"	sales of 1940 Public Improvement Loan	1,759,438 75
"	sales of old materials, opening streets and alleys	37,834 15
"	City Collector, opening streets and alleys	105,296 42
	Total receipts	$11,025,541 01

DISBURSEMENTS—Expenses of City Government.

Interest on stock debt	$	909,347 53
Expenses of the Law Courts		130,919 31
Registration of voters		28,607 15
City Jail		51,213 41
Magistrates' salaries		15,730 41
Fines, judgments and suits, removed cases and Coroners		15,745 97
Public Schools, less amount paid by State of Maryland		719,735 05
World's Fair Exhibit for Schools		4,726 73
City Poor		316,163 79
Harbor Board		110,895 44
Police Department		830,934 16
Street Cleaning Department		336,982 43
Health Department		99,362 65
Fire Department		361,432 60
Inspector of Buildings		92,688 11
City Commissioner's Department		192,116 92
General Superintendent of Lamps		267,993 92
City Council, salaries of members, officers and expenses		59,071 00
General expense		1,401 71
Care of City and Circuit Court buildings		4,452 12
Care of Court House		5,913 63
Expenses of market houses and halls		4,770 68
Harbor Masters, Commission for collecting wharfage		8,170 87
Salaries		77,719 56
City Library Stationery, &c		9,798 40
Amount carried forward	$	4,655,893 55

Amount brought forward	$4,655,893 55
Public Printing, advertising	1,533 92
Discount on Taxes and temporary loans	140,410 99
Care of City Hall	16,526 69
Mayoralty	2,663 19
Lamplighters' salaries	47,431 70
Special appropriations	5,549 10
City Collector's Office, salaries and expenses	57,133 23
City Property, ground rents	43,870 18
Elections	16,729 93
Dog Pound	1,000 00
Supervisors of Elections	12,982 34
Liquor License Commission, salaries and expenses	14,940 87
Maryland Institute	9,000 00
Drinking fountains, water mains and fire-plugs	7,025 00
General licenses	910 74
Sprinkling Mt. Royal avenue and Calvert street	900 00
Premium on currency	1,282 12
Ice-boat "Annapolis"	10,000 00
Assistance to Examiner of Titles	1,000 00
Rent of Circuit Court No. 2	745 00
State tax on City loans	37,063 75
New City Code	780 80
City Property, expenses of sales	366 08
Hose for various markets	660 15
Maryland Society Sons of American Revolution	2,500 00
Purchase of lot on Morris alley	528 90
Veteran Volunteer Firemen	1,000 00
Amount carried forward	$5,090,428 23

Amount brought forward	$5,090,428 23
Western Maryland R. R. investigation	3,906 06
Sewerage Commission	603 76
Expenditures in Twenty-first and Twenty-second Wards	334,292 42
Aggregate of small items	1,260 43
Music in the parks	3,900 00
Improvements of Broadway Squares	5,925 87
	$5,440,316 77

DISBURSEMENTS—NOT EXPENSES.

Park Board	$255,419 73
Western Maryland R. R. Company, interest on loans	41,370 00
Park Board, interest on Park loans	8,000 00
Water Board, interest on Water loans	512,630 00
Tax sales	620 74
Water Board	898,083 06
Refunded taxes	3,165 10
Temporary loans	856,919 00
Commissioners of Finance for Enoch Pratt Library	12,500 00
General sinking fund	131,101 75
Water 1926 sinking fund	26,283 79
Internal Improvement 1928 sinking fund	78,717 63
Condemnation of land for park purposes.	32,560 49
Opening, closing and widening streets and alleys and paving streets	137,165 93
Expended by City Commissioner and charged to 1928 loan	700,486 87
Expended by City Commissioner and others, and charged to 1940 loan	1,286,097 51
State of Maryland, public schools	213,941 58
Commissioners of Finance, interest on Western Maryland R. R. loans	80,820 00
	$10,716,199 95

ESTIMATES FOR THE CURRENT YEAR.

In Table B will be found the estimated requirements for the current year in detail, for the twenty wards of the City, amounting to	$6,470,165	97
And for the Twenty-first and Twenty-second Wards	305,435	54
Total	$6,775,601	51
From this amount deduct the estimated receipts from taxes in arrear and other sources, as detailed in statement C	2,185,150	00
Leaving the amount to be levied for	$4,590,451	51
The net estimates for 1893 were	4,192,361	88
Increase	$398,089	63
The total amount of taxes collected by the City Collector from the Twenty-first and Twenty-second Wards for the year 1893 was	148,684	54

FUNDED AND GUARANTEED DEBT.

The total funded and guaranteed debt of the city, as of December 31, 1893, is $34,100,475.56; on December 31, 1892, it was $34,663,297.48, a decrease of $562,821.92, and is thus accounted for. The exempt 6 per cent. loan amounting to $410,353.87, and the consolidated 6 per cent. loan amounting to $2,211,068.05 becoming due on September 1, 1893, the Commissioners of Finance commenced the redemption of these loans, and paid of the exempt loan, $393,253.87; and of the consolidated loan,

$2,206,068.05; leaving $17,100 of the exempt, and $5,000 of the consolidated unredeemed, the certificates of stock not having been presented for redemption. There was issued of the public improvement loan 1940, $1,759,500, and for the McDonogh fund an extension of the exempt and consolidated loans, as per ordinance of the Mayor and City Council, $280,000; and there was redeemed of the consolidated 1890 loan, $2,000, and public park loan, $1,000.

I respectfully refer you to the report of the Commissioners of Finance for the condition of the various sinking funds under their charge and belonging to the city, and also to the accompanying tables.

Table A is a statement of the public debt of the city.

Table B is an estimate of requirements for the current fiscal year.

Table C is an estimate of receipts for the current fiscal year.

Table D is a detailed statement of the receipts and disbursements and showing the appropriations for the various accounts.

Table E shows the aggregate monthly receipts and disbursements.

Table F shows the monthly returns from the "Keepers of the Standards of Weights and Measures."

Respectfully submitted,

JOHN A. ROBB,

Register of the City.

STATEMENT A.

Statement of Funded Debt, December 31, 1893.

Name of Loan.	Rate.	When Redeemable.	Amount.
Water	6 per ct.	At pleasure after July 1, 1894.	$ 263,000 00
"	5 "	" " July 1, 1894.	3,737,000 00
"	5 "	" " July 1, 1916.	5,000,000 00
"	4 "	" " Nov. 1, 1922.	500,000 00
"	4 "	" " Nov. 1, 1926.	1,000,000 00
Funding	6 "	" " July 1, 1900.	800,000 00
"	5 "	" " July 1, 1916.	1,000,000 00
Harford Run	4 "	" " Jan. 1, 1920.	250,000 00
Paving	4 "	" " Nov. 1, 1920.	500,000 00
Consolidated	3½ "	" " July 1, 1930.	5,000,000 00
Park Improvem'nt.	6 "	January 1, 1895	185,723 80
Jones' Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	3.65 "	" 9, 1900	483,000 00
"	3½ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
City Hall	6 "	March 15, 1900	1,000,000 00
"	6 "	" 7, 1902	500,000 00
W. Md. Railroad	6 "	January 1, 1902	1,000,000 00
" "	4 "	July 1, 1925	684,000 00
" "	3½ "	January 1, 1927	1,704,000 00
Internal Impm'nt.	3½ "	July 1, 1928	4,850,000 00
Public "	3½ "	January 1, 1940	1,759,500 00
Harford Run	4 "	November 3, 1904	350,000 00
Patterson Park	4 "	October 1, 1920	200,000 00
McDonogh Ext	5 "	September 1, 1916	280,000 00
Overdue Stock	6 "	No interest allowed	482 00
Water, 1875	6 "	" "	540 00
One Million, 1886	6 "	" "	630 50
Consolidated, 1890.	6 "	" "	16,695 81
Five Million, 1890.	6 "	" "	4,803 45
Consolidated, 1893.	6 "	" "	5,000 00
Exempt, 1893	6 "	" "	17,100 00
Total funded debt			$33,108,475 56

Guaranteed Debt,

W. Md. R. R. 6 per cent. 3d Mortgage bonds	$875,000 00	
Union R. R. 6 per cent. 1st Mortgage bonds	117,000 00	
		$992,000 00
Total funded and guaranteed debt		$34,100,475 56

Amount brought forward		$34,100,475 56
From which deduct—		
Water Loans of 1894, 1916, 1922 and 1926, the interest on which is paid by revenue from water rents	$10,500,000 00	
Patterson Park Extension Loan, on which interest is paid by Park Board	200,000 00	
Union Railroad Company on	117,000 00	
Commissioners of Finance, on Western Maryland R. R. 1902 Loan and Western Maryland 3d Mortgage Bonds	1,875,000 00	
Overdue Stock, no interest allowed	45,251 76	
Western Maryland R. R. on 3½ 1927 Loan, and 4 per cent. 1925 Loan	2,388,000 00	
		$15,125,251 76
Leaving the amount on which interest is paid by taxation at		$18,975,223 80

Viz:	$3,285,723 80	interest at	6 per cent.
	2,237,000 00	" "	5 "
	1,100,000 00	" "	4 "
	483,000 00	" "	$3\frac{65}{100}$ "
	11,769,500 00	" "	$3\frac{1}{2}$ "
	100,000 00	" "	3 "
	$18,975,223 80		

ASSETS OF THE CITY.

Productive.

Mortgage on Union Railroad Company	$ 117,000 00	
Mortgages on Western Maryland Railroad Company	2,388,000 00	
550 shares Baltimore and Reisterstown Turnpike Stock	2,062 50	
137 shares Baltimore and Fredericktown Turnpike Stock	456 66	
625 shares Baltimore and Yorktown Turnpike Stock	5,000 00	
Real estate, annual rental	$10,225 11	
Wharf property, annual rental	38,000 00	
Market houses, annual rental	50,000 00	
	$98,225 11	
Capitalized at 6 per cent.	1,637,085 16	
Value of Sinking Fund	6,082,671 69	
		$10,232,276 01

Unproductive.

Accrued interest to January 1, 1887, on Western Maryland Railroad 2d Mortgage Guaranteed Bonds		$ 333,000 00	
Interest on Western Maryland R. R. 1925 Loan from July 1, 1891		68,400 00	
Interest on Western Maryland R. R. 1927 Loan from July 1, 1891		138,450 00	
Third Mortgage on Western Maryland Railroad Company	$ 875,000 00		
Accrued interest to date	1,207,500 00		
		2,082,500 00	
Fourth Mortgage on Western Maryland Railroad Company	$1,000,000 00		
Accrued interest to date	1,290,000 00		
		2,290,000 00	
10,000 shares Valley Railroad of Virginia Stock		1,000,000 00	
83,000 Philadelphia and Reading Railroad 3d Mortgage Preference Income Bonds		83,000 00	
4,000 shares Western Maryland Railroad Stock		200,000 00	
135 shares Baltimore and Havre de Grace Turnpike Stock			

Besides other property, such as—

Court Houses, Record Office, City Hall, Jail, Police Stations, Fire Engine Houses and apparatus, School Houses, Almshouse, Iceboats, Quarantine Station, Public Parks, Squares, &c., valued at		10,000,000 00	
			$16,195,350 00

STATEMENT B.

The following statement exhibits the present liabilities and the estimated expenses of the City to be provided for in the levy for the year 1894.

EXISTING CLAIMS.

Balance due on Harford Run improvement account.....		$ 17,679 20
Balance due on Park Board account		2,378 16
Balance due on internal improvement 1928 loan.....		83,100 15
Balance due on public improvement 1940 loan.....		537,245 63
Loans from banks and individuals		1,216,292 33
		$1,856,695 47
Cash balance in banks, Dec. 31, 1893....	$ 572,381 54	
Amount due from Water Board	121,821 50	
Amount due from Western Md. R. R. Co. Bills receivable...	41,370 00	
		735,573 04
		$1,121,122 43

Amount brought forward.....		1,121,122 43
Taxes due and uncollected for 1893 and previous years $1,655,015 92		
Taxes due in 21st and 22d Wards, and uncollected for 1893 and previous years..... 70,926 69		

Estimated Requirements for the Fiscal Year ending December 31, 1894.

DEPARTMENT INSPECTOR OF BUILDINGS.

For the Repairs of City Property.

For engine houses.....	$14,000 00	
" City Jail.....	3,000 00	
" City Hall.....	4,000 00	
" market houses.....	5,000 00	
" court houses.....	4,000 00	
" dog pound and other property.....	1,000 00	
" public school houses...	15,000 00	
" painting school houses.	6,000 00	
" partition and storm doors for public schools	1,000 00	
Amts. carried forward....	53,000 00	1,121,122 43

Amts. brought forward ..	$53,000 00	$1,121,122 43
For substituting wood or iron for plastered ceilings in school houses	3,000 00	
" sanitary and other improvements.....	4,000 00	
" for emptying cess pools	1,000 00	
" incidentals	100 00	
" livery of two horses and repairs to wagon....	600 00	
" salaries	5,500 00	
" extra out-door help....	3,720 00	
" rental of auxiliary fire-alarm boxes	4,200 00	
" winding clocks at engine houses	200 00	
" painting and repairing buildings at Quarantine.....	1,500 00	
" building No. 17 engine house, corner Fort avenue and Haubert street	14,000 00	
" building disinfecting plant at Quarantine .	10,824 35	
" painting and graining interior of City Hall.	7,000 00	
		108,644 35

DEPARTMENT OF HEALTH.

Salaries	$39,300 00	
General health.....	18,000 00	
Amts. carried forward.. ..	$57,300 00	$1,229,766 78

Amts. brought forward ..	$57,300 00	$1,229,766 78
Nuisances and sewers.....	16,000 00	
Post mortems.....	1,500 00	
Quarantine hospital.....	20,000 00	
Removing filth from docks.	5,000 00	
Removal of canning and packing house refuse....	5,000 00	
		104,800 00

DEPARTMENT GENERAL SUPERINTENDENT OF LAMPS.

4,946 gas lamps burning 4,000 hours each, at 5 feet per hour, 98,920,000 cubic feet, at $1.25 per thousand....$	123,650 00	
28 Gordon lamps, at 25 cents each per night.....	2,555 00	
Gas for markets, 3,290,000 cubic feet, at $1.25 per thousand.....	4,112 50	
Gas for squares, 1,500,000 cubic feet, at $1.25 per thousand....	1,875 00	
Gas for Washington Monument, 85,000 cubic feet, at $1.25 per thousand.....	106 25	
200 new gas lamps, 2,000,000 cubic feet, at $1.25 per thousand	2,500 00	
Erecting 200 new gas lamps, at $7.50 each.....	1,500 00	
Amts. carried forward ...	$136,298 75	$1,334,566 78

Amts. brought forward..	136,298 75	1,334,566 78
Putting on new globes, and replacing broken ones....	200 00	
Replacing gas lanterns and reglazing	500 00	
Repairs of service.....	1,000 00	
Repairs to stops, burners, tips, &c.....	1,500 00	
Glass for renewing that broken	800 00	
Tin, acid, &c., for repairing old lanterns.....	300 00	
Livery and incidentals.....	400 00	
50 dozen new miner lamps, at $3.75 each.....	2,250 00	
200 new iron posts, at $6.00 each	1,200 00	
Repairing gas lanterns.....	1,500 00	
Street signs and frames.....	700 00	
Repairs to gas pipes in city buildings and wagon and harness.....	250 00	
Meters, seals, extra help in office and advertising.....	200 00	
1031 electric arc lights, at 35 cents each per night...	131,710 25	
100 additional arc lights, at 35 cents each per night...	6,387 50	
16 incandescent lamps.....	192 00	
518 gasoline lamps and filling, at $10 each	5,180 00	
Amts. carried forward....	290,568 50	1,334,566 78

Amts. brought forward ..	$290,568 50	$1,334,566 78
50 gasoline lamps additional filling, 6 months.....	250 00	
Reglazing and repairs to burners.....	600 00	
Repairing old lanterns.....	400 00	
Erecting posts and advertising.....	150 00	
Deficiency account Consolidated Gas Company.....	1,886 94	293,855 44

DEPARTMENT PUBLIC SCHOOLS.

Salaries of teachers and expenses of schools.....	972,200 00	
Polytechnic Institute.....	30,910 00	
Colored Manual Training School.....	9,405 00	1,012,515 00

FIRE DEPARTMENT.

Salaries.....	$243,800 00	
Apparatus.....	13,000 00	
Apparatus repairs.....	10,000 00	
Accidents.....	1,500 00	
Feed.....	12,500 00	
Fuel.....	3,950 00	
Furniture.....	3,000 00	
Harness.....	1,000 00	
Horse shoeing.....	2,500 00	
Hose and suction tubes.....	9,000 00	
Horses.....	7,500 00	
Amts. carried forward	$307,750 00	$2,640,937 22

Amts. brought forward ..	$307,750 00	$2,640,937 22
Gas	1,500 00	
Oils and paints	2,500 00	
Office expenses, printing and messenger	1,000 00	
Rent	600 00	
Rent of telephones	681 00	
Miscellaneous	2,000 00	
Washing	2,200 00	
Insurance of members	2,452 45	
Sick	500 00	
Pensions for disabled firemen	8,400 00	
Police and fire alarm telegraph	24,778 65	
		354,362 10

INTEREST ON STOCK DEBT.

One year's interest on water 6 per cent. stock, 1894...	$ 15,780 00	
One year's interest on water 5 per cent. stock, 1894....	186,850 00	
One year's interest on water 5 per cent. stock, 1916...	250,000 00	
One year's interest on water 4 per cent. stock, 1922...	20,000 00	
One year's interest on water 4 per cent. stock, 1926....	40,000 00	
One year's interest on funding 6 per cent. stock, 1900	48,000 00	
One year's interest on funding 5 per cent. stock, 1916	50,000 00	
Amt. carried forward ...	$610,630 00	$2,995,299 32

Amts. brought forward...	$610,630 00	$2,995,299 32
One year's interest on Harford run 4 per cent. stock, 1920	10,000 00	
One year's interest on paving 4 per cent stock, 1920	20,000 00	
One year's interest on consolidated 3½ per cent. stock, 1930.....	175,000 00	
One year's interest on park improvement 6 per cent. stock, 1895.....	11,143 42	
One year's interest on Jones' falls 6 per cent. stock, 1900	48,000 00	
One year's interest on Jones' Falls 5 per cent. stock, 1900	47,850 00	
One year's interest on Jones' Falls 3 65/100 per cent. stock, 1900.....	17,629 50	
One year's interest on Jones' Falls 3½ per cent. stock, 1900	5,600 00	
One year's interest on Jones' Falls 3 per cent. stock, 1900	3,000 00	
One year's interest on City Hall 6 per cent. stock, 1900.....	60,000 00	
One year's interest on City Hall 6 per cent. stock, 1902	30,000 00	
Amts. carried forward....	$1,038,852 92	$2,995,299 32

Amts. brought forward...	$1,038,852 92	$2,995,299 32
One year's interest on Western Maryland Railroad 6 per cent. stock, 1902.....	60,000 00	
One year's interest on Western Maryland Railroad 4 per cent. stock, 1925.....	27,360 00	
One year's interest on Western Maryland Railroad 3¼ per cent. stock, 1927.....	55,380 00	
One year's interest on internal improvement 3½ per cent. stock, 1928.....	169,750 00	
One year's interest on Harford Run 4 per cent. stock, 1904.....	14,000 00	
One year's interest on Patterson Park 4 per cent. stock, 1920.....	8,000 00	
One year's interest on Western Maryland Railroad 3d mortgage bonds.....	52,500 00	
One year's interest on McDonogh extension 5 per cent. bonds, 1916.....	14,000 00	
One year's interest on public improvement 3½ per cent. bonds, 1940.....	61,582 50	
Amounts carried forward...	$1,501,425 42	$2,995,299 32

Amts. brought forward..		1,501,425 42	2,995,299 32
Less:			
Interest paid by Commissioners of Finance	$112,500 00		
Interest paid by Water Board.	512,630 00		
Interest paid by Western Maryland R. R. Company.	82,740 00		
Interest paid by Park Board..	8,000 00		
		715,870 00	
			785,555 42

DEPARTMENT OF STREET CLEANING.

141 garbage carts and men, at $18 per week.....	$132,076 00	
76 street carts and men, at $18 per week.....	71,136 00	
159 sweepers and scrapers, at $10 per week.....	82,680 00	
Salaries.....	9,000 00	
Dumps.....	5,100 00	
Tools, including machine sprinklers, hire of horses, stable rent and repairs to machines.....	13,716 00	
Contract for removal of garbage	9,500 00	
		323,208 00
Amts. carried forward.....		4,104,062 74

Amts. brought forward..		$4,104,062 74
OPENING STREETS AND ALLEYS.		
Patapsco alley, from Fort avenue to Ostend street, balance.....	$ 715 14	
Race street, from Cross street to Fort avenue, balance..	946 60	
Burke street, from Baltimore street to Monument street, balance.....	231 00	
Patapsco alley, from Ostend street to West street, balance.....	269 75	
Cooksie street, from Clement street to Cuba street, balance	75 00	
Chew street, from Wolfe street to Chester street...	6,185 84	
Henry street, from Randall street to Fort avenue, balance	183 00	
Brice alley, from Lanvale street to Lafayette avenue, balance.....	397 50	
Ward street, from Bayard street to Stockholm street, balance.....	177 45	
Bethel street, from Oliver street to Townsend street.	8,003 46	
Randall street, from Covington street to Webster street	2,565 52	
Amts. carried forward....	$19,750 26	$4,104,062 74

Amts. brought forward ..	$19,750 26	$4,104,062 74
Webster street, from Randall street to Fort avenue.....	3,064 31	
Clement street, from Hanover street to Race street.	6,795 28	
Etting street, from Baker street to North avenue...	8,270 09	
Townsend street, from Belair avenue to Cannon street..	9,346 64	
Chase street, from Washington street to Patterson Park avenue.....	7,711 94	
Stockholm street, from Washington avenue to Wicomico street	23,090 00	
Collington avenue, from Monument street to Biddle street	11,436 55	
Port alley, from Baltimore street to Fairmount avenue	2,251 91	
Federal street, from Patterson Park avenue to Cannon street....	17,812 39	
Saint Paul street, from Lexington street to Dark lane	34,238 35	
		$143,767 72

DEPARTMENT OF POLICE.

Salaries of the Commissioners	7,500 00	
Salary of Secretary	2,000 00	
Amts. carried forward ...	$9,500 00	$4,247,830 46

Amts. brought forward...	$9,500 00	$4,247,830.46
Salary of Assistant Secretary	1,200 00	
Salary of Marshal	2,500 00	
Salary of Deputy Marshall .	2,000 00	
Salary of Police Surgeons...	2,250 00	
Salary of Clerk to Marshal.	1,300 00	
Salary of 8 Captains, at $30 per week.....	12,480 00	
Salary of 16 Lieutenants, at $25 per week.....	20,800 00	
Salary of 10 Detectives, at $23 per week.....	11,960 00	
Salary of 85 Sargeants, at $20 per week.....	88,400 00	
Salary of 619 Policemen, at $18 per week.....	579,384 00	
Salary of 14 Turnkeys, at $18 per week.....	13,104 00	
Salary of 7 Station-house Clerks, at $18 per week..	6,552 00	
Salary of 35 Probation Officers, at $12 per week	21,840 00	
Salary of 14 Matrons, at $10 per week.....	7,280 00	
General expenses.....	25,000 00	
		$805,550 00

CERTAIN EXPENSES.

Criminal Court.....	70,000 00	
Baltimore City Court.....	12,000 00	
Court of Common Pleas....	13,000 00	
Superior Court.....	15,000 00	
Amts. carried forward....	110,000 00	5,053,380 46

Amts. brought forward ..	$110,000 00	$5,053,380 46
Orphans' Court.....	7,863 00	
Circuit Court.	4,500 00	
Circuit Court No. 2.....	2,500 00	
Supreme Bench.....	3,035 00	
Coroners.....	5,950 00	
Fines.....	1,000 00	
Judgment and suits.....	8,000 00	
City Jail.....	55,000 00	
Registration.....	42,000 00	
Magistrates.....	16,000 00	
Removed cases.....	1,000 00	
		$256,848 00

CITY POOR.

Bayview Asylum and Insane Department	$100,000 00	
Transportation of poor.	1,000 00	
Manual Labor School..	1,500 00	
St. Mary's Industrial School	20,000 00	
Mount Hope Retreat.....	35,000 00	
Maryland Hospital for the Insane.....	25,000 00	
House of Refuge.....	20,000 00	
House of Reformation.....	12,000 00	
College of Physicians and Surgeons Hospital, 100 beds	16,900 00	
University of Maryland Hospital, 50 beds.....	8,450 00	
St. Vincent's Infant Asylum.	7,000 00	
Nursery and Child's Hospital	4,200 00	
Amts. carried forward.. ..	$251,050 00	$5,310,228 46

Amts. brought forward ..	$251,050 00	$5,310,228 46
St. Elizabeth's Colored Orphan Asylum	3,000 00	
Home of the Friendless	2,100 00	
Industrial Home for Colored Girls	3,000 00	
Female House of Refuge...	4,000 00	
Maryland Homœpathic Free Dispenary Hospital, 20 beds	3,380 00	
Hospital of the Good Samaritan, 10 beds.....	1,690 00	
Deaf and Dumb at Frederick.	500 00	
Shelter for the Aged Colored poor	500 00	
Boys' Home Society.....	3,000 00	
St. Mary's Home for Colored Children	500 00	
St. Mary's Female Orphan Asylum	9,800 00	
Baltimore University Hospital, 40 beds.....	6,760 00	
Maryland General Hospital, 45 beds.....	7,605 00	
St. Joseph's House of Industry	1,000 00	
St. Joseph's Hospital, 30 beds	5,070 00	
St. Agnes' Hospital, 20 beds,	3,380 00	
Manual Training School, House of Refuge	2,000 00	
St. Vincent de Paul's Orphan Asylum	3,000 00	
Amts. carried forward. ...	$311,335 00	$5,310,228 46

Amts. brought forward...	$311,335 00	$5,310,228 46
Simmon's Home	500 00	
Southern Homœpathic Free Dispensary.....	500 00	
Northeastern Free Dispensary	900 00	
Eastern Free Dispensary...	1,400 00	
Baltimore General Free Dispensary	1,500 00	
Baltimore Medical College Free Dispensary.....	1,500 00	
Maryland Homœpathic Free Dispensary	1,000 00	
College of Physicians and Surgeons Free Dispensary,	1,250 00	
Woman and Child's Free Dispensary	500 00	
Baltimore University Free Dispensary	1,200 00	
University of Maryland Free Dispensary	1,000 00	
Baltimore College of Dental Surgery Free Dispensary .	500 00	
Southern Free Dispensary..	1,200 00	
Baltimore Eye, Ear and Throat Charity Hospital Free Dispensary	500 00	
Evening Dispensary for Working Girls	700 00	
		325,485 00
Amts. carried forward...		$5,635,713 46

Amts. brought forward..		$5,635,713 46

GENERAL EXPENDITURES.

City Council.....	62,000 00	
General expenses.....	2,000 00	
City and Circuit Courts....	4,769 00	
Court House and grounds ..	6,319 00	
City Library	7,321 00	
Public Printing.	3,000 00	
Interest and discount on taxes	95,000 00	
Superintendent of City Hall	17,450 00	
Mayoralty	2,800 00	
Lamplighters.	47,500 00	
Transportation to House of Correction.....	300 00	
Salaries and expenses of City Collectors office and Appeal Tax Court.....	61,500 00	
Commissioners for Opening Streets.	200 00	
Elections.	24,000 00	
Supervisors of Elections, salaries, &c.....	15,000 00	
Dog pound...	1,500 00	
Liquor License Commission	16,000 00	
Inspector of Gas and Oils..	375 00	
Maryland Institute...	9,000 00	
Winding Maryland Institute clock.....	75 00	
Amts. carried forward....	$376,109 00	$5,635,713 46

Amts. brought forward..	$376,109 00	$5,635,713 46
City Property, ground rents.	44,506 00	
General licenses.....	2,000 00	
Sprinkling Mt. Royal avenue and Calvert street.....	900 00	
Ice-boat "Annapolis.".....	10,000 00	
Assistance to Examiner of Titles.....	1,000 00	
State Tax on City loans....	40,000 00	
Hose for Markets.....	700 00	
Maryland Society of Sons of American Revolution....	2,500 00	
Western Maryland Railroad Investigation	1,600 00	
Sewerage Commission.....	4,396 24	
Salaries	77,719 56	
Fire-plugs at Carroll.....	250 00	
		$561,680 80

DEPARTMENT CITY COMMISSIONER.

Repairs of sewers and inlets.	10,000 00	
Repairs of bridges.....	10,000 00	
Repairs of paved streets....	90,000 00	
Repairs of unpaved streets..	5,000 00	
Paving and repaving in front of City Property.....	1,500 00	
Paving and repaving cross streets.....	5,000 00	
Salaries.....	9,900 00	
Livery.....	660 00	
Incidentals.....	200 00	
Amts. carried forward....	$132,260 00	$6,197,394 26

Amts. brought forward..	$132,260 00	$6,197,394 26
Light Street Bridge.....	9,000 00	
Flag and stepping stones ...	10,000 00	
Inlets, Druid Hill avenue and Presstman street	55 15	
Repairs of bridges, deficiencies for 1893.....	1,623 87	
Repairs of unpaved streets, deficiences for 1893.....	433 81	
Grading East Lanvale street.	500 00	
Deficiency on account of Public Printing	28 75	
Repairing Eutaw street, per agreement with Maryland Pavement Company.....	6,000 00	
Iron plates, various places..	50 00	
Deficiency, repaving Hanover street.....	1,750 00	
		$161,701 58

HARBOR BOARD.

Harbor and docks.....	$50,000 00	
Widening mouth of harbor.	5,000 00	
Dredging Jones' Falls above Canton avenue.....	25,000 00	
Ice-boat "Latrobe," maintenance and repairs.....	24,570 13	
Removal of ashes from towboats.....	1,500 00	
Repairs of public wharves..	5,000 00	
		111,070 13
Amount carried forward....		$6,470,165 97

Amt. brought forward..		$6,470,165 97

CITY ANNEX—Composing the 21st and 22d Wards.

City Commissioner, repairs of streets, roads and bridges.....	$30,000 00	
Salaries and livery.....	2,432 00	
Health Department, salaries	3,800 00	
Health Department, nuisance and sewers.....	2,500 00	
Department Street Cleaning, 14 garbage carts and men, at $18 per week.....	13,104 00	
Department Street Cleaning, 6 street carts, at $18 per week.....	5,616 00	
Department Street Cleaning, 12 sweepers and scrapers, at $10 per week	6,240 00	
Department Street Cleaning, salary of superintendent..	1,000 00	
Department Street Cleaning, tools.....	125 00	
Public Schools, salaries of teachers.....	110,000 00	
Public Schools, sundry expenses.....	28,300 00	
Inspector of Buildings, extra help.....	1,240 00	
Inspector of Buildings, livery and repairs to wagon.....	300 00	
Amts. carried forward....	$204,657 00	$6,470,165 97

Amts. brought forward..	$204,657 00	$6,470,165 97
Inspector of Buildings, repairs of city property..	8,000 00	
Inspector of Buildings, Smead system in Walbrook school.....	2,934 00	
Inspector of Buildings, Smead system in No. 9 school.....	2,000 00	
Department of Lamps, 623 gas lamps.....	15,575 00	
Department of Lamps, 8 Gordon lamps.....	730 00	
Department of Lamps, 50 new gas lamps.....	625 00	
Department of Lamps, 50 new posts.....	375 00	
Department of Lamps, repairs and painting.....	375 00	
Department of Lamps, 6 dozen new miner lamps.	270 00	
Department of Lamps, 50 new iron posts.....	300 00	
Department of Lamps, repairs and new burners, &c.	290 00	
Department of Lamps, livery.....	300 00	
Department of Lamps, electric arc lamps.....	1,277 50	
Department of Lamps, 547 gasoline lamps.....	5,470 00	
Amts. carried forward....	$243,178 50	$6,470,165 97

Amts. brought forward...	$243,178 50	$6,470,165 97
Department of Lamps, gasoline or 50 new lamps.....	500 00	
Department of Lamps, new gasoline posts.....	100 00	
Department of Lamps, new gasoline burners, valves, &c.....	150 00	
Department of Lamps, painting, repairing and glazing	650 00	
Lamplighters, salaries.....	13,633 14	

FIRE DEPARTMENT.

Salaries.....	$32,700 00	
Apparatus.....	2,200 00	
Apparatus repairs.....	1,500 00	
Accident.....	200 00	
Feed.....	2,000 00	
Fuel.....	750 00	
Furniture.....	350 00	
Harness.....	250 00	
Horse shoeing.....	475 00	
Hose and suction tubes.....	536 00	
Horses.....	2,500 00	
Gas.....	275 00	
Oils and paints.....	509 00	
Rent.....	360 00	
Rent of telephone.....	120 00	
Miscellaneous.....	400 00	
Office expenses.....	300 00	
Amts. carried forward....	$303,636 64	$6,470,165 97

Amts. brought forward ..	$303,636 64	$6,470,165 97
Washing	275 00	
Insurance of members	328 90	
Sick	195 00	
Police and fire-alarm telegraph	1,000 00	
		$305,435 54
		$6,775,601 51

STATEMENT C.

Estimated Receipts from Taxes in Arrear, and other specified sources of Revenue for the fiscal year ending December 31st, 1894.

Estimated collection of taxes in arrear during the year for city and annex	$1,400,000 00
State of Maryland for public schools	210,000 00
Liquor licenses	390,000 00
Fines	10,000 00
Baltimore City Jail	6,000 00
Bay View Asylum	1,500 00
Mt. Hope Retreat and Maryland Hospital for Insane	1,500 00
Sale of refuse from streets	700 00
Quarantine Hospital	7,500 00
Permits for sheds and signs	9,000 00
City Commissioner, sale of old material	3,900 00
General Superintendent of Lamps	2,500 00
Market houses and halls—net	46,000 00
Wharfage, rent of public wharves—net	24,000 00
Interest on deposits	1,200 00
General license	50,000 00
Auction duties	7,000 00
Chesapeake and Potomac Telephone Co.	4,600 00
Rent of Imperial Hotel	9,750 00
	$2,185,150 00

STATEMENT D.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	DR.	CR.			
Criminal Court	$12,436 07	$60,000 00	$60,000 00		
Baltimore City Court	12,209 40	13,000 00	13,000 00		
Court of Common Pleas	13,501 45	12,000 00	12,000 00		
Superior Court	15,045 50	13,000 00	13,000 00		
Orphans' Court	7,863 10	8,000 00	8,000 00		
Circuit Court	4,404 05	2,800 00	2,800 00		
Circuit Court No. 2	2,425 00	2,500 00	2,500 00		
Supreme Bench	3,034 74	3,035 00	3,035 00		
Coroners	5,950 00	5,950 00	5,950 00		
Fines	933 50	12,938 77			12,938 77
Judgments and suits	8,777 47				
Jail	51,213 41	62,236 21	55,000 00		7,236 21
Registration	28,607 15	30,000 00	30,000 00		
Magistrates	15,730 41	17,000 00	17,000 00		
Removed cases	85 00	3,135 20	2,000 00		1,135 20
Certain expenses		192,296 61		192,296 61	
Schools.					
Public schools	933,676 63	1,944,852 07	933,681 00	793,658 49	217,512 58
Public Schools World's Fair Exhibit	4,726 73	4,860 00	4,860 00		
City poor		283,031 04		283,031 04	
Bay View	97,297 36	99,117 16	97,500 00		1,617 16
Amounts carried forward	$1,277,916 97	$2,769,752 06	$1,260,326 00	$1,268,986 14	$240,439 92

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	DR.	CR.			
Amounts brought forward	$1,277,916 97	$2,769,752 06	$1,260,326 00	$1,268,986 14	$240,439 92
Transportation of poor	973 44	1,072 16	1,000 00		72 16
Dispensaries	13,950 00	13,950 00	13,950 00		
St. Mary's Industrial School	20,000 00	20,000 00	20,000 00		
Mount Hope Retreat	33,331 67	38,795 00	38,000 00		795 00
Maryland Hospital for the Insane	24,106 97	25,750 00	25,000 00		750 00
House of Refuge	19,947 92	20,000 00	20,000 00		
House of Reformation	12,000 00	12,000 00	12,000 00		
College of Physicians and Surgeon's Hospital	16,900 00	16,900 00	16,900 00		
University of Maryland Hospital	8,354 36	8,450 00	8,450 00		
St. Vincent's Infant Hospital	6,166 64	7,000 00	7,000 00		
Nursery and Child's Hospital	4,100 01	4,200 00	4,200 00		
St. Elizabeth's Colored Orphan Asylum	3,000 00	3,000 00	3,000 00		
Home of the Friendless	2,100 00	2,100 00	2,100 00		
Indusirial Home for Colored Girls	3,000 00	3,000 00	3,000 00		
Female House of Refuge	4,000 00	4,000 00	4,000 00		
Maryland Homeopathic Free Dispensary Hospital	2,498 93	2,498 93	2,498 93		
Hospital of the Good Samaritan	1,666 76	1,690 00	1,690 00		
Deaf and Dumb at Frederick	495 25	500 00	500 00		
Shelter for the Aged Colored Poor	500 00	500 00	500 00		
Boys' Home Society	3,000 00	3,000 00	3,000 00		
St. Mary's Home for Colored Children	500 00	500 00	500 00		
St. Mary's Female Orphan Asylum	9,383 33	9,800 00	9,800 00		
Baltimore University Hospital	5,964 02	6,370 00	6,370 00		
Maryland General Hospital	7,603 10	7,605 00	7,605 00		

St. Joseph's House of Industry	1,000 00	1,000 00	1,000 00		
The Simmon's Home	500 00	500 00	500 00		
St. Joseph's Hospital	4,522 08	4,680 00	4,680 00		
St. Agnes' Hospital	2,801 95	2,990 00	2,990 00		
Manual Training School, House of Refuge	2,000 00	2,000 00	2,000 00		
St. Vincent de Paul's Orphan Asylum	3,000 00	3,000 00	3,000 00		
Manual Labor School	1,500 00	1,500 00	1,500 00		
Harbor Commission.					
Harbor	49,747 66	50,000 00	50,000 00		
Widening Mouth of Harbor	10,000 00	10,000 00	10,000 00		
Dredging Jones' Falls	25,000 00	25,000 00	25,000 00		
Ice-boat "F. C. Latrobe"	19,000 00	19,000 00	19,000 00		
Repairs of wharves	3,000 00	3,000 00	3,000 00		
Repairs of tug Hygeia	3,000 00	3,000 00	3,000 00		
Removing ashes from tow-boats	1,147 78	1,200 00	1,200 00		
Police Department	830,934 16	1,616,280 34	836,741 07	779,539 27	
Street Cleaning Department.					
Cleaning streets	287,205 21	295,771 20	294,987 00		784 20
Cleaning streets, special	49,777 22	50,000 00	50,000 00		
Health Department.					
Health	13,258 61	14,007 00	14,000 00		7 00
Health salaries	39,200 00	39,200 00	39,200 00		
Quarantine Hospital	20,578 72	28,553 67	20,578 59		7,975 08
Nuisances	15,825 90	16,000 00	16,000 00		
Removing filth from docks	3,999 42	4,000 00	4,000 00		
Amounts carried forward	$2,868,458 08	$5,173,115 36	$2,873,766 59	$2,048,525 41	$250,823 36

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	Dr.	Cr.			
Amounts brought forward	$2,868,458 08	$5,173,115 36	$2,873,766 59	$2,048,525 41	$250,823 36
Removal of refuse from packing houses	5,000 00	5,000 00	5,000 00		
Post mortems	1,500 00	1,500 00	1,500 00		
Fire Department.					
Salaries and incidentals	349,037 19	349,388 85	349,066 03		322 82
Lot for New Hook and Ladder Company	5,000 00	5,000 00	5,000 00		
Keyless doors on fire alarm boxes	1,000 00	1,000 00	1,000 00		
Fire alarm boxes, various places	2,395 41	2,400 00	2 400 00		
Lot for engine house	4,000 00	4,000 00	4,000 00		
Inspector of Buildings' Department.					
Salaries and incidentals	6,300 00	6,300 00	6,300 00		
Extra help	3,720 00	3,720 00	3,720 00		
Permits for sheds, signs, &c	406 93	9,495 94			9,495 94
Building disinfecting plant at Quarantine	175 65	11,000 00	11,000 00		
Building English-German School No. 1	2,832 67	3,000 00	3,000 00		
Building Colored School No. 3	9,786 09	10,100 00	10,100 00		
Building additions to the Morgue	1,200 00	1,200 00	1,200 00		
Building No. 17 Engine House, Haubert street and Fort avenue	8 12	10,000 00	10,000 00		
Fitting up room in No. 1 English-German School	265 00	350 00	350 00		

Winding clocks at engine houses	200 00	200 00	200 00		
Wood or iron ceilings, public schools	2,033 20	3,000 00	3,000 00		
Repairs of schools	14,934 44	15,000 00	15,000 00		
Repairs of city property	20,996 55	21,000 00	21,000 00		
Painting exterior of City Hall	907 97	907 97	907 97		
Painting interior of City Hall	1,029 85	1,092 03	1,092 03		
Cleaning cesspools	648 60	1,000 00	1,000 00		
Painting school houses	4,000 00	4,000 00	4,000 00		
Additional story to English-German School No. 1	100 00	8,000 00	8,000 00		
Grading and paving yards of No. 19 and English-German School No. 1	2,600 00	2,600 00	2,600 00		
Sanitary and other improvements, public schools	3,998 37	4,000 00	4,000 00		
Improvement of water closet No. 2 School	1,000 00	1,000 00	1,000 00		
Extension of Richmond Market	3,300 00	3,300 00	3,300 00		
Extension of 5th Regiment Armory	4,500 00	4,500 00	4,500 00		
Rental of auxiliary fire alarm boxes	4,200 00	4,200 00	4,200 00		
Rental of rooms, &c., Clerk of Superior Court	1,152 15	1,200 00	1,200 00		
Repairing buildings at Quarantine	1,500 00	1,500 00	1,500 00		
Cement floor, basement of No. 20 Grammar School	892 52	1,000 00	1,000 00		
City Commissioner's Department.					
Salaries and incidentals	10,605 40	10,800 00	10,800 00		
Light street bridge	7,228 13	7,915 31	7,915 31		
Measurement of street railway tracks	148 50	150 00	150 00		
Repaving Madison street	599 15	700 00	700 00		
Stone crusher	2,484 98	2,500 00	2,500 00		
Kerbing Park avenue	79 13	2,892 91	2,892 91		
Bulkhead Ferry Point road	2,225 00	2,229 02	2,229 02		
Amounts carried forward	$3,352,449 08	$5,701,257 39	$3,392,089 86	$2,048,525 41	$ 260,642 12

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	Dr.	Cr.			
Amounts brought forward	$3,352,449 08	$5,701,257 39	$3,392,089 86	$2,048,525 41	$260,642 12
Regrading Lexington street	352 80				
Repairs of paved streets	91,920 16	92,058 30	92,000 00		58 30
Repairs of unpaved streets	1,998 59	2,000 00	2,000 00		
Repairs of bridges	6,192 72	6,229 11	6,219 44		9 67
Repairs of sewers	7,429 06	11,920 40	8,000 00		3,920 40
Improvement of Harford run	1,858 56				
To divert flow of water from Linden avenue	1,123 88	1,200 00	1,200 00		
Drain pipe, Battery avenue	500 09	750 00	750 00		
Trapping inlets, Central avenue and McElderry street	105 05	175 36	175 36		
Trapping inlets, Calhoun street	50 71	86 87	86 87		
Trapping inlets, McHenry and Pulaski streets	104 11	104 50	104 50		
Inlets, Hamburg and Paca streets	797 01	800 00	800 00		
Inlets, Central avenue and High alley	55 30	68 41	68 41		
Inlets, Raborg and Arch streets	188 24	207 50	207 50		
Inlets, Schroeder's Run	486 12	597 27	597 27		
Inlets, Caroline and Madison streets	1,193 56	1,217 93	1,217 93		
Inlets, Lexington street and Park avenue	904 90	1,050 00	1,050 00		
Inlets, Centre and North streets	995 81	1,050 00	1,050 00		
Inlets, German and Arch streets	1,012 12	1,050 00	1,050 00		
Inlets, Cross and Hanover streets	542 74	1,207 81	1,207 81		
Inlets, Hillen and East streets	670 63	700 00	700 00		
Inlets, Adams alley	344 65	500 00	500 00		
Inlets, Warner and other streets	276 60	600 00	600 00		

Inlets, Druid Hill avenue and Presstman street	1,344 85	1,400 00	1,400 00		
Inlets, Baltimore and Wolfe streets	664 21	700 00	700 00		
Inlets, Central avenue and Jefferson street	1,300 43	1,400 00	1,400 00		
Iron plates, Eastern avenue and Ann street	1,593 11	3,000 00	3,000 00		
Iron plates, Gilmor and Pratt streets	641 64	645 00	645 00		
Iron plates, Pratt and Eden streets	10 00	758 99	758 99		
Iron plates, Central avenue and Eager street	1,279 32	1,400 00	1,400 00		
Iron plates, Lombard and Paca streets	1,595 79	2,000 00	2,000 00		
Iron plates, Chesapeake and Dillon streets	1,469 13	1,700 00	1,700 00		
Iron plates, Dillon and Canton streets	823 36	850 00	850 00		
Iron plates, various places	1,177 76	1,402 14	1,402 14		
Flagstones, Cathedral and Centre streets	2,052 44	2,956 00	2,956 00		
Hoffman street sewer, special	400 40	400 40	400 40		
Building Douglas street sewer	13,925 74				
Cross streets (paving and repaving)	4,938 62	5,000 00	5,000 00		
Paving in front of city property	598 98	1,000 00	1,000 00		
Flag and stepping stones	7,998 44	8,000 00	8,000 00		
Inlets to sewer, McHenry street, &c	616 81	841 95	841 95		
Paving streets around Hanover Market, special	364 40	364 40	364 40		
Shelling East Monument street, &c	1,500 20	1,500 20	1,500 00		20
Shelling Point lane	29 33	400 00	400 00		
Shelling Ferry Point road	2,491 61	2,500 00	2,500 00		
Shelling East Baltimore street	466 66	500 00	500 00		
Repairing sidewalk at Union Square	1,017 53	3,200 00	3,200 00		
Grading East Lanvale street, &c	1,342 46	5,000 00	5,000 00		
Park Commission.					
Park Board	218,953 37	217,269 64			217,269 64
Improvement of Broadway Square	5,925 87	8,000 00	8,000 00		
Music in the parks	3,900 00	3,900 00	3,900 00		
Harlem Park	3,996 94	3,998 30			3,998 30
Amounts carried forward	$3,753,971 89	$6,104,917 87	$3,570,493 83	$2,048,525 41	$485,898 63

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	Dr.	Cr.			
Amounts brought forward	$3,753,971 89	$6,104,917 87	$3,570,493 83	$2,048,525 41	$485,898 63
Madison Square	1,863 48	1,997 68			1,997 68
Eastern Fountain	1,485 10	1,500 00			1,500 00
Franklin Square	1,500 00	1,346 17			1,346 17
Union Square	1,143 69	1,059 95			1,059 95
Perkins Spring Square	1,000 00	1,000 00			1,000 00
Park Place Square	507 85	730 88			730 88
Jackson Square	989 51	874 34			874 34
Lafayette Square	3,444 99	3,398 51			3,398 51
Mt. Vernon Square	1,700 00	1,700 00			1,700 00
Mt. Royal Avenue Square	2,984 38	2,986 13			2,986 13
Broadway Squares, 1st division	1,999 93	1,771 34			1,771 34
Broadway Squares, 2d division	1,799 95	1,800 00			1,800 00
Eutaw Squares, 1st division	1,800 00	1,779 19			1,779 19
Eutaw Squares, 2d division	1,800 00	1,742 06			1,742 06
Ashland Square	104 67	124 81			124 81
Wilkens Avenue Squares	2,464 07	1,616 44			1,616 44
Taney Place Square	298 58	299 13			299 13
Broadway Squares, 3d division	2,000 00	1,998 92			1,998 92
Fulton Avenue Squares and Baker Circle	3,583 22	3,586 22			3,586 22
General Superintendent of Lamps.					
Inspecting and sealing gas meters		2,306 75			2,306 75
Gas	140,000 00	140,220 20	140,000 00		220 20
Gasoline	6,817 13	6,950 00	6,950 00		
Electric lights	121,176 79	126,000 00	126,000 00		

General Expenditures.					
City Council	59,071 00	62,000 00	62,000 00		
General expenses	1,401 71	2,000 00	2,000 00		
City and Circuit Court building	3,614 29	3,854 00	3,849 00		5 00
Care of Circuit Court No. 2	837 83	941 00	941 00		
Court house	5,913 63	6,619 00	6,619 00		
Lafayette Market	252 86	2,097 50			2,097 50
Centre Market	663 73	5,493 20			5,493 20
Belair Market	511 80	7,006 50			7,006 50
Fells Point Market	527 10	6,422 70			6,422 70
Lexington Market	666 50	12,840 60			12,840 60
Richmond Market	413 40	1,846 90			1,846 90
Hanover Market	442 46	4,960 00			4,960 00
Cross Street Market	320 20	4,640 70			4,640 70
Hollins Market	336 00	3,603 90			3,603 90
Northeast Market	308 65	1,892 20			1,892 20
Canton Market	174 50	579 80			579 80
Cross Street Hall	60 23	194 00			194 00
Hollins Hall	83 75	200 00			200 00
Broadway Hall	9 50	35 00			35 00
Wharfage	8,156 87	32,450 81			32,450 81
Wharfage, 6th district	20 00	100 00			100 00
Salaries	77,719 56	77,719 56	77,719 56		
City Library	9,798 40	9,888 86	9,800 00		88 86
Public Printing	1,533 92	1,814 14	1,580 20		233 94
Interest	140,410 99	191,199 26	70,000 00	117,750 15	3,449 11
Interest on Stock debt	1,552,167 53	2,194,268 24	1,551,448 24		642,820 00
Superintendent of the City Hall	16,526 69	17,425 00	17,425 00		
Mayoralty	2,663 19	2,800 00	2,800 00		
Lamplighters	47,431 70	47,500 00	47,500 00		
Special appropriations	5,549 10	5,549 10	5,549 10		
Amounts carried forward	$5,992,016 32	$ 9,119,648 56	$5,702,674 93	$2,166,275 56	$1,250,698 07

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	DR.	CR.			
Amounts brought forward	$5,992,016 32	$9,119,648 56	$5,702,674 93	$2,166,275 56	$1,250,698 07
Unclaimed damages for opening streets	114 45	10 00			10 00
Transportation to House of Correction	155 60	400 00	400 00		
Appeal Tax Court	387 81	400 00	400 00		
City Collector	57,133 23	57,850 00	57,850 00		
Commissioners for Opening Streets	188 43	200 00	200 00		
Elections	16,729 93	19,000 00	19,000 00		
Dog Pound	1,000 00	1,321 82	1,000 00		321 82
Supervisors of Elections	12,982 34	13,400 00	13,400 00		
Liquor License Commission	14,940 87	16,047 50	16,000 00		47 50
Inspector of Gas and Oils (livery)	339 14	375 00	375 00		
Maryland Institute	9,000 00	9,000 00	9,000 00		
Winding Maryland Institute clock	75 00	75 00	75 00		
Tax sales	620 74	2,539 62			2,539 62
City property	43,870 18	44,695 27	44,505 94		189 33
Water Board	898,083 06	771,634 12			771,634 12
Fire-plug, Biddle street	75 00	75 00	75 00		
Fire-plug, Wilkens avenue and Lombard street	75 00	75 00	75 00		
Fire-plug, William and Heath streets	75 00	75 00	75 00		
Fire-plug, Bolton and Lennox streets	75 00	75 00	75 00		
Fire-plug, Harrison and Fayette streets	75 00	75 00	75 00		
Fire-plugs, various places	2,850 00	2,850 00	2,850 00		
Removal of fire-plug from Broadway and Lanvale street	50 00	50 00	50 00		
Drinking fountain, Linden avenue		75 00	75 00		

Drinking fountain, Luzerne street and Eastern avenue		75 00	75 00		
Drinking fountain, Thames and Bond streets.	75 00	75 00	75 00		
Drinking fountain, Wilkens avenue and Bentalou street	75 00	75 00	75 00		
Drinking fountain, Lexington and Randall sts.	75 00	75 00	75 00		
Drinking fountain, Fayette and Amity streets.	75 00	75 00	75 00		
Drinking fountain, Caroline and McElderry streets	75 00	75 00	75 00		
Drinking fountain, Paca and Pratt streets	75 00	75 00	75 00		
Drinking fountain, Lancaster street and Broadway	75 00	75 00	75 00		
Drinking fountain, Caroline and Bank streets.	75 00	75 00	75 00		
Drinking fountain, Greenmount avenue and Lanvale street	75 00	75 00	75 00		
Drinking fountain, Davis street	75 00	75 00	75 00		
Water mains, Riverside Park	3,000 00	3,000 00	3,000 00		
General licenses	910 74	59,696 40	2,000 00		57,696 40
City seal		16 50			16 50
Liquor licenses		390,137 89			390,137 89
Refunded taxes	3,165 10				
Temporary loans	856,919 00	2,073,211 33			2,073,211 33
Auction duties		7,252 45			7,252 45
Sprinkling Mt. Royal avenue and Calvert street	900 00	900 00	900 00		
Enoch Pratt Free Library	12,500 00	12,500 00			12,500 00
Premium on currency	1,282 12				
Direct tax		866,187 91		866,187 91	
Miscellaneous Stocks		784,955 96		784,955 96	
Opening streets		100,006 23		100,006 23	
Water tax		52,702 66		52,702 66	
General Sinking Fund	131,101 75	131,101 75		131,101 75	
Water 1926 Sinking Fund	26,283 79	26,283 79		26,283 79	
Amounts carried forward	$8,087,724 60	$14,568,724 76	$5,874,955 87	$4,127,513 86	$4,566,255 03

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	DR.	CR.			
Amounts brought forward	$8,087,724 60	$14,568,724 76	$5,874,955 87	$4,127,513 86	$4,566,255 03
Internal Improvement 1928 Sinking Fund	78,717 63	78,717 63		78,717 63	
Ice-boat "Annapolis"	10,000 00	10,000 00	10,000 00		
Assistance to Examiner of Titles	1,000 00	1,000 00	1,000 00		
Telephone conduits		4,635 80			4,635 80
Rent of Court House property		20 00			20 00
Rent of Circuit Court No. 2	745 00	900 00	900 00		
Rent of Imperial Hotel		2,437 50			2,437 50
State tax on city loans	37,063 75	36,676 13	30,000 00		6,676 13
New City Code	780 80	800 00	800 00		
Condemnation of land for park purposes	32,560 49	31,589 87			31,589 87
Turnpike dividends		157 61			157 61
Sale of city property	366 08	873 54			873 54
Hose for various markets	660 15	800 00	800 00		
Conscience Fund		80 00			80 00
Maryland Society of the Sons of the American Revolution	2,500 00	2,500 00	2,500 00		
Purchase of lot on Morris alley	528 90				
Bolton property		139,936 04			139,936 04
Wm. L. Marbury, trustee under will of John H. Ehlen, deceased		35 15			35 15
Veteran Volunteer Firemen's Association	1,000 00	1,000 00	1,000 00		
Western Mayland Railroad investigation	3,906 06	4,500 00	4,500 00		
Sewerage Commission	603 76	5,000 00	5,000 00		
Opening Federal street	22,076 49	19,757 35	15,119 69	2,962 66	1,675 00
Opening Allen street	16 50				

Opening Randall street	60 60	257 00		257 00	
Opening Webster street	63 98	405 87		405 87	
Opening Windsor avenue	17 00				
Opening Myrtle avenue	17 00				
Opening North avenue	60 33				
Opening Clifton avenue	17 00				
Opening Townsend street	40,513 53	40,853 26	37,597 61	2,565 65	690 00
Opening Tenth street	17 25				
Opening Bethel street	118 63	1,011 92		1,011 92	
Opening Ward street	7,654 48	8,662 35	5,856 93	1,975 00	830 42
Opening Elgin avenue	17 25				
Opening Dorsey's or Kirby's lane	732 63	598 37		598 37	
Opening Cleveland street	9,542 84	9,793 03	5,113 03	4,125 00	555 00
Opening Whitelock street	65 98	5,692 50		5,692 50	
Opening Eutaw street	12,398 24	1,3087 18	8,437 49	4,543 69	106 00
Opening Etting street	359 40	855 73		855 73	
Opening Bouldin alley	250 33				
Opening Ludlow street	15 00				
Opening Ensor street	255 00				
Opening and Widening St. Paul Street	431 46	6,138 93		6,138 93	
Opening West street	21 90				
Opening Eastern avenue	37 78				
Opening Burrow street	36 90				
Opening Fulton street	159 70				
Opening Chew street	2,301 75				
Opening Clement street	99 80	8,487 59	8,313 59	174 00	
Opening Chase street	432 49	887 25		887 25	
Opening Durham street	12,733 13	349 00		349 00	
Opening Stockholm street	538 51	12,870 78	8,399 45	3,700 93	770 40
Opening Covington street	275 76	682 70		682 70	
Opening Henry street	7,583 57				
Opening Forrest street	350 00	8,059 04	5,103 04	2,956 00	
Amounts carried forward	$8,377,429 43	$15,028,833 88	$6,025,396 70	$4,246,113 69	$4,757,323 49

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	DR.	CR.			
Amounts brought forward	$8,379,429 43	$15,028,833 88	$6,025,396 70	$4,246,113 69	$4,757,323 49
Opening Collington avenue	138 03	137 50		137 50	
Opening alley from Gold to Bloom street	65 43				
Opening Pinkney street	6,487 50	6,184 82	4,607 70	1,552,12	25 00
Opening Douglas street		1,035 00			1,035 00
Opening Spring street	6,095 04	5,572 73	3,025 52	2,547 21	
Opening Brice alley	806 67	1,557 04	1,396 54	160 50	
Opening Port alley	84 80				
Opening Lanvale street	42 50				
Opening Madison street	554 50				
Opening Fairmount avenue	300 90				
Opening a 70-foot alley, continuation of East Fayette street	420 79				
Opening Smallwood street	402 52				
Opening Carroll street	166 19				
Opening Nanticoke street	144 88				
Opening Burke street		231 00	231 00		
Opening Race street		946 60	946 60		
Opening Cooksie street		75 00	75 00		
Opening Patapsco alley		984 89	984 89		
Opening Bruce alley	168 51				
Closing Sumwalt Lane	198 32	395 00		395 00	
Closing Truxton street	38 50				
Closing Jew alley	122 55				
Closing Fourth street	250 00				
Paving Race street	602 57				

Paving Riggs avenue	291 08				
Paving Fairmount avenue	232 29				
Paving Chester street	148 89				
Paving North avenue	39 60				
Paving Andre street	66 66				
Opening South Fulton avenue	25 00				
Internal Improvement, 1928 Loan.					
Read street sewer	1,432 54				
Druid Hill avenue sewer	78,032 72				
Carey street relief sewer	44,404 98				
Pulaski street sewer	1,324 96				
Pulaski and Franklin street sewer	21 67				
Preston street sewer	1,107 25				
Fremont street sewer	12,089 79				
Hoffman street sewer	6,159 56				
Ann and Gay street sewer	58 50				
Eden street sewer	1,063 49				
Penn street sewer	26,182 30				
Presbury street sewer	10,026 19				
Fulton avenue and Eagle street sewer	69 83				
Bush street sewer	124,927 37				
Paving streets around Hanover Market	1,126 72				
Paving streets around Southern Police Station	259 01				
Patterson Park Extension	16,271 28	10,001 70			10,001 70
Paving Eutaw street	29,763 58				
Paving Columbia avenue	11,964 68				
Paving East Lexington street	21,096 52				
Paving West Lexington street	21,384 12				
Paving Fayette and Lexington streets	3,475 32				
Paving East Baltimore street	3,593 78				
Amounts carried forward	$8,811,159 31	$15,055,955 16	$6,036,663 95	$4,250,906 02	$4,768,385 19

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	Dr.	Cr.			
Amounts carried forward	$8,811,159 31	$15,055,955 16	$6,036,663 95	$4,250,906 02	$4,768,385 19
Paving Hanover street	63,521 47				
Paving Calvert street	9,755 59				
Paving Pennsylvania avenue	58,092 05				
Paving Mulberry street	88 56				
Paving Broadway	2,316 27				
Paving Camden street	468 59				
Paving Hollins street	1,280 60				
Paving Sharp street	415 40				
Widening Fayette street	148,686 18	29,162 33			29,162 33
Widening East Baltimore street	26 00				
Sale of old material		1,534 83			1,534 83
Public Improvement, 1940 Loan.					
Public Improvement 1940 Loan		1,759,438 75			1,759,438 75
Underground wires	529 91				
Building Baltimore City College	30 00				
Purchase of lot and building, Western Female High School	30,669 66				
Building Edmondson avenue bridge	162 00				
Building Maryland avenue bridge	394 11				
Building Monroe street bridge	20 00				
Fremont street sewer	150 00				
Charles street sewer	2,188 64				
West street sewer	3,555 46				
Monroe street sewer	7,954 76				

Race street sewer	1,554 70				
Patapsco street sewer	17,113 85				
Macadamizing North avenue	6,433 05				
Building North avenue bridge	104,018 50				
Building Baltimore street bridge	33,076 55				
Building Ramsay street bridge	27,695 50				
Straightening Eutaw street	1,195 00				
Federal street sewer	13,233 10				
Union avenue sewer	12,284 28				
Purchase of lot and building, Male and Female Grammar School	5,340 89				
Purchase of lot and building for No. 4 Colored School	15,000 00				
New Court House	158,182 69				
Topographical Survey	40,419 71	10 00			10 00
Widening Union Dock	59,450 93	4,712 75		4,415 25	297 50
Paving Concord street	36,051 69				
Paving Davis street	233 50				
Paving Hanover and Lexington streets and streets around Richmond Market	41,766 27				
Paving Maryland avenue	28,711 01				
Paving Frederick avenue	75,541 05				
Paving Lafayette avenue	29,839 36				
Paving Fayette street	10 00				
Paving Charles street	151 05				
Paving Calvert street	4,830 82				
Paving Read street	21,797 15				
Paving Franklin street	330 73				
Paving St. Paul street	64,841 15				
Paving Saratoga street	51,910 18				
Paving Gay street	731 08				
Paving Light street	11,007 00				
Amounts carried forward	$10,004,215 35	$16,850,813 82	$6,036,663 95	$4,255,321 27	$6,558,828 60

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriations.	Received from Collector of Taxes	Received from other sources.
	DR.	CR.			
Amounts brought forward	$10,004,215 35	$16,850,813 82	$6,036,663 95	$4,255,321 27	$6,558,828 60
Paving Poppleton street	303 75				
Paving East Baltimore street	78,866 84				
Paving Aliceanna street	3,976 15				
Paving Front street	20,155 46				
Paving Boston street	5,720 33				
Paving Eager street	24,966 18				
Paving Holliday and other streets	5,555 06				
Paving Fort avenue	7,465 04				
Paving Chase street	100,114 34				
Widening Gay street	1,837 28				
Sale of old material		3,413 96			3,413 96
Opening McCulloh street	128,731 75	59,191 64		56,206 64	2,985 00
City Annex.					
General Superintendent of Lamps.					
Gas	17,908 60	19,884 88	19,884 88		
Gasoline	6,119 35	7,118 00	7,118 00		
Electric lights	481 70	1,277 50	1,277 50		
Fire Department.					
Salaries and incidentals	35,802 46	35,814 73	35,814 73		
Engine Company No. 18	22,999 61	23,000 00	23,000 00		
Fire-plugs at Carroll	250 00	250 09	250 00		

Fire alarm box, 24th street and Cedar avenue.		350 00	350 00		
Health Department.					
Health, salaries	3,799 80	3,800 00	3,800 00		
Nuisances	2,274 69	2,500 00	2,500 00		
Public schools	119,999 68	120,000 00	120,000 00		
Inspector of Buildings' Department.					
Livery, &c.	300 00	300 00	300 00		
Extra help	1,240 00	1,240 00	1,240 00		
Repairs of City Property	5,258 72	6,000 00	6,000 00		
Building Annex School No. 8	13,785 50	14,077 25	14,077 25		
Building addition to Annex School No. 9	6,110 66	9,000 00	9,000 00		
Smead system, No. 8 Annex School	3,344 00	3,344 00	3,344 00		
City Commissioner's Department.					
Repairs of streets, road, &c.	30,427 99	30,531 50	30,432 00		99 50
Repairing Loudon avenue	296 50	300 00	300 00		
Repairing Third avenue		1 50			1 50
Repairing Montebello avenue	443 67	450 00	450 00		
Repairing Dellwood avenue	497 79	500 00	500 00		
Repairing Druid Hill avenue	305 23				
Repairing Slingluff avenue	996 00	1,000 00	1,000 00		
Repairing Chestnut street and Third avenue	4,991 47	5,000 00	5,000 00		
Repairing Woodberry lane	497 00	500 00	500 00		
Repairing Gilmor lane	486 15	500 00	500 00		
Repairing Garrison lane	587 23	600 00	600 00		
Repairing Dorsey's lane	495 00	500 00	500 00		
Repairing Lombard street	248 00	250 00	250 00		
Amounts carried forward	$10,661,854 33	$17,201,508 78	$6,324,652 31	$4,311,527 91	$6,565,328 56

STATEMENT D—Concluded.

NAMES OF ACCOUNTS.	FACE OF LEDGER. DR.	FACE OF LEDGER. CR.	Appropriations.	Received from Collector of Taxes	Received from other sources.
Amounts brought forward	$10,661,854 33	$17,201,508 78	$6,324,652 31	$4,311,527 91	$6,565,328 56
Repaving St. Paul street	295 00	300 00	300 00		
Repaving 25th street	2,998 02	3,000 00	3,000 00		
Repaving Stafford street	698 55	700 00	700 00		
Repaving West Baltimore street	487 99	500 00	500 00		
Repaving Old Liberty road	998 48	1,000 00	1,000 00		
Repaving Pimlico road	495 78	500 00	500 00		
Repaving Wilkens avenue	792 78	800 00	800 00		
To improve Jackson and Washington sts., &c.	139 34	139 34	139 34		
Shelling Old York road	994 51	1,000 00	1,000 00		
Macadamizing Franklin street	3,408 30	3,500 00	3,500 00		
Macadamizing Garrison avenue	700 00	700 00	700 00		
Cleaning streets	22,914 48	25,099 00	25,099 00		
City Collector	2,599 92	2,600 00	2,600 00		
Interest	3,071 43	3,928 11		3,928 11	
Direct tax		144,756 43		144,756 43	
Refunded taxes	42 90				
Drinking fountain—Tenth st. and North ave.	75 00	75 00	75 00		
Lamplighters	13,633 14	13,500 00	13,500 00		
Mayor and City Council	6,378,065 65				
Cash	11,025,541 01	10,716,199 95			
	$28,119,806 61	$28,119,806 61	$6,378,065 65	$4,460,212 45	$6,565,328 56

STATEMENT E.

Receipts and Disbursements from Dec. 31, 1892 to Dec. 31, 1893.

	Receipts.	Disbursements.
January	$262,596 14	$810,843 33
February	915,695 11	496,105 85
March	515,261 74	628,745 60
April	655,722 79	513,520 88
May	474,266 51	1,569,069 65
June	2,611,418 39	1,517,813 22
July	670,168 86	700,946 42
August	434,645 37	610,906 45
September	1,208,405 46	871,325 36
October	796,823 74	877,688 39
November	1,712,737 21	1,303,897 62
December	767,799 69	815,337 18
	$11,025,541 01	$10,716,199 95
Balance Dec. 31, 1892.	263,040 48	
" " 31, 1893.		$572,381 54
	$11,288,581 49	$11,288,581 49

STATEMENT F.

Statement showing the Monthly Returns of the "Keepers of the Standards of Weights and Measures," from March 1, 1893, to December 31, 1893.

1893.	N.W. Dist.	S.W. Dist.	N. E. Dist.	S. E. Dist.	Soth. Dist.	Totals.
March	$250 09	$270 14	$251 54	$269 52	$303 09	$1,344 38
April	294 01	273 89	306 62	255 45	285 92	1,415 89
May	295 84	266 76	294 96	263 82	281 92	1,403 30
June	225 69	183 26	220 25	122 38	201 95	953 53
July	172 96	67 25	132 70	126 68	119 74	619 33
August	207 32	97 46	151 11	120 39	129 45	705 73
September	195 09	27 62	71 08	52 26	102 27	448 32
October	82 29	16 20	49 69	34 04	47 32	229 54
November	67 71	14 00	30 02	19 20	24 91	155 84
December	40 02	6 05	15 50	20 45	19 17	101 19
Totals	$1,831 02	$1,222 63	$1,523 47	$1,284 19	$1,515 74	$7,377 05

COMMUNICATIONS.

HARBOR BOARD OF BALTIMORE—ENGINEER'S OFFICE,

BALTIMORE, January 11, 1894.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—I have been prevented, from causes beyond my control, from submitting to the Board my estimates for 1894, and can only give you what I propose to submit to the Board for its action on Monday next:

Harbor and docks		$50,000 00
Widening mouth of harbor		5,000 00
Dredging Jones' Falls, above Canton avenue		25,000 00
Ice-boat "F. C. Latrobe"—		
Maintenance and repairs	$20,000 00	
Necessary repairs in 1893	4,570 13	
		24,570 13
Removal of ashes from tow-boats		1,500 00
Repairs to public wharves		5,000 00
		$111,070 13

Respectfully, &c.,

N. H. HUTTON,

Engineer.

Showing the amounts required for the City Commissioners's Department for the year ending 31st December, 1894:

On what account.	Amounts.
Repairs of sewers and inlets	$10,000 00
Repairs of bridges	10,000 00
Repairs of paved streets	90,000 00
Repairs of unpaved streets	5,000 00
Paving and repaving in front of city property	1,500 00
Paving and repaving cross streets	5,000 00
Salaries	9,900 00
Livery	660 00
Incidentals	200 00
Light-street bridge	9,000 00
Flag and stepping-stones	10,000 00
Inlets Druid Hill avenue and Presstman streets	55 15
Repairs of bridges, deficiencies for the year 1893	1,623 87
Repairs of unpaved streets, deficiencies for the year 1893	433 81
Grading East Lanvale street, &c	500 00
Repairs of streets, roads and bridges in the Annex	30,000 00
Salaries and livery	2,432 00
Deficiencies on account of public printing, year 1893	28 75
Repairing in Eutaw Place, per agreement with the Maryland Pavement Company.	6,000 00
Iron plates, various places	50 00
Repaving Hanover street, deficiency	1,750 00
	$194,133 58

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1894—CITY PROPER.

Gas Account.

4,946 gas lamps burning 4,000 hours each, at 5 ft. per hour, 98,920,000 cubic feet, at $1.25 per 1,000	$123,650 00
28 Gordon lamps, at 25 cents each per night	2,555 00
Gas for markets, 3,290,000 cubic feet, at $1.25 per 1,000	4,112 50
Gas for squares, 1,500,000 cubic feet, at $1.25 per 1,000	1,875 00
Gas for Washington Monument, 85,000 cubic feet, at $1.25 per 1,000	106 25
200 new gas lamps (say 2,000 hours each), 2,000,000 cubic feet, at $1.25 per 1,000	2,500 00
Erecting 200 new gas lamps, at $7.50 each.	1,500 00
Putting on new globes, replacing broken ones	200 00
Replacing gas lanterns, reglazing the same.	500 00
Repairs of services, straightening posts	1,000 00
Repairs to stops, burners, tips, &c	1,500 00
Glass for renewing that broken	800 00
Tin, solder, acid and necessary material for repairing the old lanterns, and keeping them in repair	300 00
Livery and incidentals	400 00
50 dozen new Miner lamps, at $3.75 each	2,250 00
200 new iron posts, at $6.00 each	1,200 00
Repairing gas lanterns	1,500 00
Street signs and frames	700 00
Amount carried forward	$146,648 75

Amount brought forward	$146,648 75
Repairs to gas pipe in markets and city buildings, and repairs to wagon and harness	250 00
Meters, seals, extra help in office and advertising	200 00
	$147,098 75

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1894—CITY PROPER.

Electric Light Account.

1,031 electric arc lights, at 35 cents each per night	$131,710 25
100 additional electric arc lights, at 35 cents each per night, 6 months	387 50
Incandescent lamps 16	192 00
	$132,289 75

Gasoline Account.

518 gasoline lamps (necessary gasoline and filling) $10.00 each	$5,180 00
50 additional gasoline lamps (necessary gasoline and filling) 6 months	250 00
Glass for reglazing, also repairs to burners.	600 00
Tin, solder, acid and necessary material for repairing and keeping in repair the old lanterns	400 00
Erecting and straightening posts, also advertising, &c	150 00
	$6,580 09

DEFICIENCY ACCOUNT—CITY PROPER.

Consolidated Gas Company's bill.....	$1,886 94

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1894—ANNEX.

Gas Account.

623 gas lamps burning 4,000 hours each, 12,460,000 cubic feet, at $1.25 per 1,000.	$15,575 00
8 Gordon lamps (Madison avenue), at 25 cents each	730 00
50 new gas lamps, average consumption 6 months, say 500,000 cubic feet, at $1.25 per 1,000.....	625 00
Erecting 50 new posts, $7.50 each.....	375 00
Repairs to services, straightening posts, &c.	225 00
Repairing and painting lanterns.....	150 00
6 dozen new Miner lamps, $3.75 each.....	270 00
50 new iron posts, at $6.00 each.....	300 00
Glass for lanterns (replacing that broken).	90 00
Repairs to burners and stops.....	50 00
Signs, frames and putting in position, &c.	100 00
New burners, tips, &c., &c.....	50 00
Livery.....	300 00
	$18,840 00

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1894—ANNEX.

Electric Light Account.

Electric arc lamps 10, at 35 cents each....	$1,277 50

ANNEX.

Gasoline Account.

Gasoline and filling 547 lamps, $10.00 each per annum	$5,470 00
Painting and repairing	500 00
Glass for lanterns (replacing that broken).	100 00
Gasoline for 50 additional lamps	500 00
New gasoline posts, erecting and straightening, &c	100 00
Repairs to gasoline burners and valves	50 00
New gasoline burners, valves, wick, &c	150 00
	$6,870 00

Office of the Commissioners of Public Schools,

City Hall,

Baltimore, January 3, 1894.

Mr. John A. Robb, *City Register:*

Estimate of amounts required by the Commissioners of Public Schools for 1894:

For the schools in the first twenty wards.	$972,200 00
For the schools in the Twenty-first and and Twenty-second Wards	138,300 00
For the Polytechnic Institute	30,910 00
For the Colored Manual Training School.	9,405 00
	$1,150,815 00

The items are as follows:

For salaries, first twenty wards, not including Manual Training Schools		$ 800,500 00
For rents, first twenty wards		8,000 00
For books and stationery in first twenty wards		52,000 00
For heating apparatus, first twenty wards.		14,000 00
For furniture, first twenty wards		25,700 00
For fuel in first twenty wards		33,000 00
For repairs and cleaning, first twenty wards		14,000 00
For incidentals, first twenty wards		15,000 00
For night schools, first twenty wards		10,000 00
		$972,200 00
For salaries Annex schools	$ 110,000 00	
For sundries	28,300 00	
		$138,300 00
For Polytechnic Institute		30,910 00
For Colored Manual Training School		9,405 00
		$1,150,815 00

Respectfully submitted,

HENRY M. COWLES,

Secretary.

OFFICE OF THE BOARD OF SUPERVISORS OF ELECTION IN THE CITY OF BALTIMORE—CITY HALL,

BALTIMORE, January 3, 1894.

JOHN A. ROBB, ESQ., *City Register:*

SIR—The Board of Supervisors of Elections instructs me to submit the following as their estimate of the expenses of this department for the year 1894:

For expenses of office, including salaries and incidentals	$15,000 00
For expense of registration	42,000 00
For expense of election	24,000 00

Respectfully submitted,

J. N. FOSTER,

Secretary to Board.

HEALTH DEPARTMENT,

BALTIMORE, December 28th, 1893.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following estimates for the expenses of the Health Department for the year 1894 have been carefully made up and are based upon the experience of absolute necessities:

Salaries	$39,300 00
General Health	18,000 00
Nuisances and sewers	16,000 00
Post-mortems	1,500 00
Quarantine Hospital	20,000 00
Removing filth from docks	5,000 00
Removal of canning and packing house refuse	5,000 00
	$104,800 00

CITY ANNEX.

Salaries	$3,800 00
Nuisances and sewers	2,500 00
	$6,300 00

Respectfully yours,

JAMES F. McSHANE., M.D.,

Commissioner of Health.

TAX DEPARTMENT, CITY COLLECTOR'S OFFICE—CITY HALL,

BALTIMORE, December 21st, 1893.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—Herewith I respectfully submit estimates for salaries of the City Collector and employees in his department, incidental expenses of the Tax Department, and salaries of the Judges and employees of the Appeal Tax Court, for the fiscal year ending December 31st, 1894, aggregating $61,5000.00.

I am, respectfully,

Your obedient servant,

J. T. M. BARNES,

Deputy City Collector.

Tax Department,

1 City Collector	$ 2,000 00
1 Deputy City Collector	2,500 00
1 Cashier	1,600 00
1 Assistant Cashier	1,400 00
1 Bookkeeper	1,600 00
1 General Cash Bookkeeper	1,600 00
1 Transfer Clerk	1,300 00
1 Annex Clerk	1,300 00
13 Ledger Clerks, at $1,300 each	16,900 00
Incidental expenses of Tax Department	3,500 00
Total	$33,700 00

Appeal Tax Court.

3 Judges, at $1,800 each	$ 5,400 00
1 Chief Clerk	1,600 00
1 Assistant Clerk	1,600 00
1 Assessor of new improvements	1,400 00
1 Chief Assessor of old real estate	1,800 00
4 Assistant Assessors of old real estate, at $1,200 each	4,800 00
1 Clerk to Assessors	1,200 00
28 Assessors of personal property	10,000 00
Total	$27,800 00
Grand total	$61,500 00

Respectfully submitted,

J. T. M. Barnes,
Deputy City Collector.

OFFICE FIRE COMMISSIONERS—CITY HALL,

BALTIMORE, January 4, 1894.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following are the estimates for the City and Annex Fire Departments for the year 1894.

CITY.

Salaries	$243,800 00
Apparatus	13,000 00
Apparatus repairs	10,000 00
Accident	1,500 00
Feed	12,500 00
Fuel	3,950 00
Furniture	3,000 00
Harness	1,000 00
Horse-shoeing	2,500 00
Hose and suction tubes	9,000 00
Horses	7,500 00
Gas	1,500 00
Oils and paints	2,500 00
Office expenses, including printing report and Messenger's salary	1,000 00
Rent	600 0
Rent of telephones	681 00
Miscellaneous	2,000 00
Washing	2,200 00
Insurance of members	2,452 45
Sick	500 00
Pensions for Disabled Firemen	8,400 00
Police and Fire-Alarm Telegraph	24,778 65
Total	$354,362 10

ANNEX.

Salaries	$32,700 00
Apparatus	2,200 00
Apparatus repairs	1,500 00
Accident	200 00
Feed	3,000 00
Fuel	750 00
Furniture	350 00
Harness	250 00
Horse-shoeing	475 00
Hose and suction tubes	536 00
Horses	2,500 00
Gas	275 00
Oils and paints	509 00
Rent	360 00
Rent of telephones	120 00
Miscellaneous	400 00
Office expenses	300 00
Washing	275 00
Insurance of members	328 90
Sick	195 00
Police and Fire-Alarm Telegraph	1,000 00
Total	$48,223 90

J. Alexander Preston,

President.

City and Circuit Courts.

Baltimore, January 10, 1894.

John A. Robb, Esq., *City Register:*

Dear Sir—The following is the estimate of the expenses of this department for the year ending December 31, 1894:

CITY AND CIRCUIT COURT.

Superintendent's salary	$1,000 00
Watchman	900 00
Janitor	600 00
Assistant	300 00
Coal, 60 tons, at $5.50 per ton	330 00
Gas	110 00
Ice	100 00
Brooms, buckets, brushes, feather dusters, window shades, soap, &c	50 00
Repairs to furniture, locks, keys, &c	60 00
Repairing and cleaning stoves, new grates, relining, &c	75 00
Whitewashing offices, yards, &c	15 00
Hose	20 00
Hauling ashes	17 00
Cleaning and re-laying carpets	31 00
Incidentals	100 00
Oil cloth, &c., for City Court	40 00
Washing towels	30 00
Wood for kindling (3 cords)	24 00
Amts. carried forward	$3,802 00

Amount brought forward	$3,802 00

CIRCUIT COURT No. 2.

Janitor's salary	600 00
Coal, 14 tons, at $5.50 per ton	77 00
Wood (2 cords) for kindling	16 00
Ice	40 00
Gas	20 00
Brushes, brooms, buckets, feather dusters, soap, &c	35 00
Repairs to furniture, stoves, locks, keys, &c.	45 00
Hauling ashes	7 00
Incidentals	40 00
Carpet, &c., for clerk's office	50 00
Cleaning and re-laying carpets	25 00
Hose	12 00
	$4,769 00

Respectfully submitted,

JAMES DONNELLY,

Superintendent City and Circuit Courts.

BALTIMORE, January 2, 1894.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimated expenses of the Criminal Court, Record Office and grounds required for the year 1894:

Superintendent's salary	$1,200 00
Watchman's salary	1,000 00
Janitor for Criminal Court building, basement and grounds	600 00
Cleaning Criminal Court	350 00
Cleaning Grand Jury	350 00
Amount carried forward	$3,500 00

Amount brought forward..	$3,500 00
Cleaning Court of Common Pleas	350 00
Janitress for ladies' room	300 00
100 tons of coal for Criminal Court, Superior, Common Pleas, Jury, Grand Jury, witness room, Clerk's office, at $5.50	550 00
50 tons of coal for Record Office and Orphans Court, at $5.50	275 00
8 cords of kindling wood, same as coal, at $8	64 00
Gas for Criminal Court building, basement and offices	200 00
Ice for Criminal Court, Superior, Common Pleas, jury rooms, offices, &c	150 00
Ice-coolers and repairing	50 00
Removing ashes and refuse	75 00
Whitewashing Criminal Court building and yard	75 00
Gas fixtures, globes and repairs, Criminal, Superior, Common pleas, &c	50 00
Locks, keys and repairs	30 00
Window curtains and awnings	50 00
Brooms, buckets, brushes, mops, towels, soap, soda, &c	100 00
Furniture, chairs, desks, &c	150 00
Carpets, oil cloth and linoleum	100 00
Repairing furniture	100 00
Repairing furnaces, stoves and grates	150 00
	$6,319 00

Respectfully submitted,

JOHN D. COOK,

Superintendent of Criminal Court.

OFFICE BOARD OF POLICE COMMISSIONERS,

BALTIMORE, January 4th, 1894.

To the Mayor and City Council of Baltimore:

GENTLEMEN:

We respectfully submit to you the following as the estimate for the expenditures of this department for the year 1894, viz.:

The following expenditures are fixed by the Legislature:

Salaries of the Commissioners	$7,500 00	
Secretary	2,000 00	
Assistant Secretary	1,200 00	
Marshal	2,500 00	
Deputy Marshal	2,000 00	
Police Surgeons	2,250 00	
		$17,450 00
Clerk to Marshal, $25 per week	$ 1,300 00	
8 Captains, $30 per week.	12,480 00	
16 Lieutenants, $25 per week	20,800 00	
10 Detectives, $23 per week	11,960 00	46,540 00
Amount carried forward.		$63,990 00

Amount brought forward.....		$63,990 00
85 Sergeants, $20 per week.	88,400 00	
619 Policemen, $18 per week	579,384 00	
14 Turnkeys, $18 per week.	13,104 00	
7 Station House Clerks, $18 per week.....	6,552 00	
35 Probation Officers, $12 per week.....	21,840 00	
14 Matrons, $10 per week.	7,280 00	
		716,560 00
Total for salaries.....		$780,550 00
For miscellaneous operating expenses, such as gas, fuel, stationery, printing and advertising, electrical supplies, apparatus, station house supplies, cleaning, etc., maintenance of wagons and horses, mounted service, incidental expenses, etc.....		$25,000 00
Total		$805,550 00

Very respectfully,

E. M. Schryver,

John Q. A. Robson,

John Gill,

Police Commissioners.

OFFICE OF SUPERINTENDENT CITY HALL,

BALTIMORE, January 3, 1894.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expenses of this department for the year ending December 31, 1894:

Gas and incandescent lights	$3,600 00
Coal and wood	2,300 00
Cleaning the City Hall	7,380 00
Repairs to furniture and gas fixtures	750 00
Ice	500 00
Brushes, buckets, soap, &c	300 00
Removing ashes, &c	150 00
Winding tower clock and striker and regulating all clocks in the Hall, batteries, &c.	400 00
Laborer	720 00
New furniture	150 00
Window shades	75 00
Incidentals	200 00
Cleaning carpets and draperies and relaying	425 00
New carpets, linoleum, &c	500 00
	$17,450 00

Respectfully submitted,

W. P. RYAN,

Superintendent City Hall.

OFFICE OF BAY VIEW ASYLUM—CITY HALL,

BALTIMORE, January 4, 1894.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—You are cordially invited to dine with His Honor the Mayor and Board of Trustees at Bay View Asylum on Tuesday, the 9th inst., at 2 o'clock. Carriages will be in waiting on the Holliday street side of the City Hall to convey you to and from the institution.

Yours, with great respect,

JOSEPH FRIEDENWALD,

President.

Per JOHN M. MCELROY.

CITY LIBRARY—CITY HALL,

BALTIMORE, December 26, 1893.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The appropriations needed for this department for the year 1894 are estimated at $7,321.00, as follows:

Stationery, blank books and printing	$6,098 00
Clerk hire	900 00
Binding and purchase of books	250 00
Telephone	73 00
Total	$7,321 00

This is $2,479.00 less than was appropriated for 1893, and all of which has been consumed.

Very respectfully,

GEORGE C. WEDDERBURN,

City Librarian.

Reappropriations for 1894 *for the following streets:*

Patapsco alley, from Fort avenue to Ostend street	$ 715 14
Race street, from Cross street to Fort avenue	946 60
Burke street, from Baltimore street to Monument street	231 00
Patapsco alley, from Ostend street to West street	269 75
Cooksie street, from Clement street to Cuba street	75 00
Chew street, from Wolfe street to Chester street	6,185 84
Henry street, from Randall street to Fort avenue	183 00
Brice alley, from Lanvale street to Lafayette avenue	397 50
Ward street, from Bayard street to Stockholm street	177 45
	$9,181 28

Approximate Estimate for 1894, *City's Proportion for Opening Streets.*

Bethel street, from Oliver street to Townsend street	$8,003 46
Randall street, from Covington street to Webster street	2,565 52
Webster street, from Randall street to Fort avenue	3,064 31
Clement street, from Hanover street to Race street	6,795 28
Etting street, from Baker street to North avenue	8,270 09
Townsend street, from Belair avenue to Cannon street	9,346 64
Chase street, from Washington street to Patterson Park avenue	7,711 94
Stockholm street, from Washington avenue to Wicomico street	23,090 00
Collington avenue, from Monument street to Biddle street	11,436 55
Port alley, from Baltimore street to Fairmount avenue	2,251 91
Federal street, from Patterson Park avenue to Cannon street	17,812 39
St. Paul street, from Lexington street to Dark lane	34,238 35
	$134,586 44

Respectfully submitted,

C. L. Goodwin.

REPORT OF

The Department of Finance,

FOR THE YEAR 1893.

REPORT.

DEPARTMENT OF FINANCE,

BALTIMORE, December 31, 1893.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

The Commissioners of Finance have the honor to submit herewith for your consideration statements in detail, exhibiting their transactions during the current year, as follows:

1. A summary of receipts and payments on account of the various sinking funds.

2. A statement of purchases of stocks and bonds for the sinking funds.

3. A statement showing the condition of the various sinking funds.

4. A statement of the condition of the Enoch Pratt Free Library sinking fund.

5. A statement of the condition of the Horwitz Benevolent Fund.

6. A schedule of real estate and ground rents, upon the books of the Commissioners of Finance, from which income is derived.

7. A statement of the funded and guaranteed debt.

8. A balance sheet of the sinking funds' ledger.

9. A statement of the indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore.

The matters embraced in the foregoing are exhibited under their respective heads in a detailed form in the Appendix to this report.

1—RECEIPTS AND PAYMENTS.

The receipts have been derived as follows:

From cash to credit of sinking funds Dec. 31, 1892...	$311,607 04
From Baltimore and Ohio Railroad Company, on account of purchase of Pittsburg & Connellsville R. R. bonds	40,000 00
From interest upon stocks and investments.....	394,693 20
From rental of real estate..	25,432 46
From rental of Hillen Station, Ordinance No.97,1875	16,000 00
Amount carried forward..	$787,732 70

Amount brought forward.	$787,732 70	
From rental Western Maryland R. R. Terminal Company depot, Ordinance No. 92, 1882....	9,181 46	
From sales of $449,000 Water 4 per cent. 1926 Loan.	450,187 50	
From sales of $143,500 Water 5 per cent. 1916 Loan.	144,935 00	
From sales of $215,500 Jones Falls 5 per cent. 1900 Loan	215,500 00	
From City Collector, for General Sinking Fund....	131,101 75	
From City Collector, for Internal Improvement Loan Sinking Fund.....	78,717 63	
From City Collector, for Water 1926 Loan Sinking Fund.....	26,283 79	
From sale of $280,000 McDonogh Extension five per cent. 1916 Loan.....	280,000 00	
From redemption of Consolidated 6 per cent. 1893 Loan.....	1,470,741 38	
From redemption of Exempt 6 per cent. 1893 Loan....	21,453 87	
From sale of property belonging to the late Samuel H. Tagart.....	10,750 00	
		$3,626,585 08

Amount brought forward.		$3,626,585 08
The payments have been as follows:		
For investment purchases..	$ 612,804 86	
For interest on Western Maryland Railroad 6 per cent. 1902 Loan	60,000 00	
For interest on Western Maryland Railroad 6 per cent. 3d mortgage bonds..	52,380 00	
For redemption of Consolidated 6 per cent. 1890 Loan.....	2,000 00	
For redemption of Public Park 6 per cent. 1890 Loan.	1,000 00	
For redemption of Consolidated 6 per cent. 1893 Loan	2,206,068 05	
For redemption of Exempt 6 per cent. 1893 Loan....	393,253 87	
For payment to Mayor and City Council for condemnation of land for park purposes, Ordinance No. 84, 1891.....	41,589 87	
For amount paid to D. L. Bartlett, Treasurer McDonogh Educational Fund and Institute, Ordinance No. 211, 1893.	10,750 00	
For amount paid to Enoch Pratt Free Library.....	50,000 00	
For sundry expenses as detailed in Statement No. 1.	1,607 64	
		3,431,454 29
Cash in bank to credit of sinking funds.....		$195,130 79

2—INVESTMENT PURCHASES OF STOCKS AND BONDS.

This statement is submitted in obedience to Article XLVII, Section 13, of City Code, and exhibits in detail the purchase of stocks and bonds, amounting to $604,850.37, at an average cost of 101.11 per cent., the total cost of purchase being	$612,804 86

3—THE REDEMPTION AND SINKING FUNDS.

Exhibiting in detail the amount and condition of the investments of the funds as shown by the books of the Commissioners of Finance, as follows:

General Sinking Fund	$5,330,623 50
Public Park Sinking Fund	65,315 60
Western Maryland 1925 Loan Sinking Fund	58,034 55
Western Maryland 1927 Loan Sinking Fund	121,318 62
Hillen Station Sinking Fund	48,546 87
Western Maryland Railroad Terminal Co. Sinking Fund	15,939 66
Water 1926 Loan Sinking Fund	149,737 85
Internal Improvement Loan Sinking Fund	293,155 04
	$6,082,671 69

INCREMENT OF SINKING FUNDS.

The increment of the sinking funds from Dec. 31st., 1892, to Dec. 31st, 1893, amounting to.....			$463,986 13
Was derived thus:			
From interest upon investments.....		$340,873 89	
From rent of Hillen Station....$16,000 00			
Less amount set apart in sinking fund..... 2,000 00			
		14,000 00	
From rent of W. Md. R. R. Ter. Co. Depot..... $9,181 46			
Less amount set apart in sinking fund..... 1,311 60			
		7,869 86	
From rental of real estate..		25,432 46	
From premium on sales of stock.....		2,622 50	
From City Collector for general sinking fund.....		131,101 75	
From City Collector for Water Loan Sinking Fund.....		26,283 79	
From City Collector for Internal Improvement Loan Sinking Fund.....		78,717 63	
			$626,901 88

Amount brought forward.		$626,901 88
From which deduct:		
Interest paid on Western Maryland R. R. 6 per cent. 1902 Loan.....	$60,000 00	
Interest paid on Western Maryland R. R. 3d mortgage bonds.....	52,380 00	
Premium on purchase of stocks and bonds.....	7,788 24	
Amount paid Mayor and City Council for condemnation of land for Park purposes, Ordinance No. 84 of 1891.....	41,589 87	
Sundry expenses.....	1,157 64	
		162,915 75
		$463,986 13

And disbursed as shown by statement No. 1 of Appendix.

4—ENOCH PRATT FREE LIBRARY SINKING FUND.

This statement shows the condition of the Enoch Pratt Free Library Sinking Fund, on December 31st, 1893, under the control of the Commissioners of Finance, who are required "to invest the interest upon the investments in the sinking fund, and the interest upon the interest, as the same shall be received, in the public debt of the city of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." (Article XXXVIII-A, Section 8, Baltimore City Code).

5—THE HORWITZ BENEVOLENT FUND.

This statement shows the condition of the Horwitz Benevolent Fund under the management of the Commissioners of Finance, who, on December 28th, 1888, under authority of Resolution No. 7, of 1888, accepted from the executors of Orville Horwitz, late of Baltimore city, deceased, the sum of ten thousand dollars, which, with its increments, is, in the said last will and testament, directed to be known as the "Horwitz Benevolent Fund."

6—REAL ESTATE AND GROUND RENTS.

The schedule of real estate and ground rents presented in this form for convenience of reference, embraces only so much of the city property as is in control and shown upon the books of this Board, and from which income is derived from rentals.

The income derived from the public wharves and other valuable property being applied to current expenses, does not appear in these accounts. (Article XLVII, Section 14, Baltimore City Code).

7—FUNDED DEBT AND GUARANTEES.

These issues on Dec. 31st, 1892, amounted to.....	$34,663,297 48
On Dec. 31st, 1893, they amount to.....	34,100,475 56
Showing a decrease during the year of.....	$562,821 92

Thus:

Amount of Consolidated 6 per cent. 1893 Loan redeemed		$2,206,068 05	
Amount of Exempt 6 per cent. 1893 Loan redeemed		393,253 87	
Amount of Consolidated 6 per cent. 1890 Loan redeemed		2,000 00	
Amount of Public Park 6 cent. 1890 Loan redeemed		1,000 00	
		$2,602,321 92	
Less amount of Public Improvement 1940 Loan issued	$1,759,500		
Less amount of McDonogh Extension 1916 Loan issued	280,000		
		$2,039,500 00	
			$ 562,821 92

INCREASE OF FUNDED DEBT AUTHORIZED.

Public Improvement 3½ per cent. 1940 Loan, authorized by Ordinance No. 100, 1892	$ 4,240,500 00

THE FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt, December 31st, 1893.....	$33,108,475 56	
Amount of guaranteed debt, December 31st, 1893 ...	992,000 00	
		$34,100,475 56
Of this amount interest is provided or paid as follows:		
Water Board upon.	$10,500,000 00	
Park Board upon	200,000 00	
Union Railroad Company upon	117,000 00	
W. Md. Railroad Company upon	2,388,000 00	
Commissioners of Finance on	1,875,000 00	
Overdue stock, no interest allowed.....	45,251 76	
		$15,125,251 76
Leaving the amount on which interest is paid by taxation at.....		$18,975,223 80

PRODUCTIVE INVESTMENTS.

Mortgage on Union R. R. Company	$ 117,000 00
Mortgages on W. Maryland R. R. Company.....	2,388,000 00
Value of sinking funds...	6,082,671 69
Amt. carried forward...	$8,587,671 69

Amt. brought forward..		$8,587,671 69	
550 shares Baltimore and Reisterstown Turnpike stock		2,062 50	
137 shares Baltimore and Frederick Turnpike stock		456 66	
625 shares Baltimore and Yorktown Turnpike stock		5,000 00	
Real estate, annual rental..	$10,225 11		
Wharf property, rental	38,000 00		
Mark't property rental	50,000 00		
	$98,225 11		
Capitalized at 6 per cent..		$1,637,085 16	
			$10,232,276 01

UNPRODUCTIVE INVESTMENTS.

Mortgages of Western Maryland R. R. Co.	$1,875,000 00	
Accrued interest advanced for Western Maryland R. R. Co.	3,037,350 00	
83,000 Philadelphia and Reading R. R. 3d preference income bonds	83,000 00	
4,000 shares Western Maryland R. R. stock	200,000 00	
10,000 shares Valley R. R. of Virginia stock	1,000,000 00	
		$6,195,350 00

The forgoing statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the corporation, and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the past fiscal year.

They show the receipts to have been..		$3,626,585 08
and the disbursements to have been as follows:		
For investment purchases (see Statement No. 2).....	$612,804 86	
For interest paid for W. Md. R. R. Co.....	112,380 00	
For redemption of loans...	2,602,321 92	
For condemnation land for park purposes.....	41,589 87	
For amount paid D. L. Bartlett, Treasurer.....	10,750 00	
For amount paid to Enoch Pratt Free Library.....	50,000 00	
For sundry expenses.....	1,607 64	
		3,431,454 29
Balance, amount in bank to credit of funds.....		$195,130 79

The value of the sinking funds December 31, 1892, was.....	$7,941,007 48
The value of the sinking funds at present is.....	6,082,671 69
Showing a decrease during the past year of.....	$1,858,335 79

Caused by the redemption of loans		$2,602,321 92	
Less:			
Extension of stock belonging to the Trustees of McDonogh Educat'nl Fund and Institute	$280,000 00		
Increment of funds during the year	463,986 13		
		743,986 13	
			$1,858,335 79

Sales of $1,759,500.00 of Public Improvement 3½ per cent. 1940 Loan were made during the year, producing $1,759,438 75.

Respectfully submitted,

FERDINAND C. LATROBE, *Chairman.*

ENOCH PRATT,

W. W. SPENCE,

Commissioners of Finance.

JOHN A. ROBB,

Clerk to Commissioners of Finance.

APPENDIX.

STATEMENT

Dr. *The Commissioners of Finance in account*

To balance, amount in bank to credit of the sinking funds, December 31, 1892.		$ 311,607 04
To General Sinking Fund:		
From interest on stocks and investments	$ 317,898 19	
From rental of real estate	25,432 46	
From City Collector by tax levy	131,101 75	
From rental of Hillen Station	14,000 00	
From rental of W. Md. R. R. Terminal Co. Depot	7,869 86	
From sales of $449,000 Water 4 per cent. 1926 Loan	450,187 50	
From sales of $143,500 Water 5 per cent. 1916 Loan	144,935 00	
From sales of $215,500 Jones' Falls 5 per cent. 1900 Loan	215,500 00	
From redemption of Consolidated 6 per cent. 1893 Loan	1,449,441 38	
From redemption of Exempt 6 per cent. 1893 Loan	14,053 87	
From sale of $280,000 McDonogh Extension 5 per cent. 1916 Loan	280,000 00	
Amts. carried forward	$3,050,420 01	$311,607 04

No. 1.

with the Mayor and City Council of Baltimore. Cr.

By General Sinking Fund:		
For $300 City Hall 6 per cent. 1900 Loan	$ 329	25
For $32,200 Consolidated 6 per cent. 1893 Loan.....	32,744	36
For $7,300 Exempt 6 per cent. 1893 Loan.....	7,445	01
For $1,700 Jones' Falls 6 per cent. 1900 Loan..	1,891	25
For $7,600 Water 5 per cent. 1894 Loan.....	7,682	00
For $24,200 Water 5 per cent. 1916 Loan.....	30,067	87
For $1,000 Funding 5 per cent. 1916 Loan..	1,243	13
For $1,000 Water 4 per cent. 1925 Loan.....	1,067	50
For $2,000 Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan.....	2,015	00
For $94,300 Internal Improvement $3\frac{1}{2}$ per cent. 1928 Loan..... .	95,083	75
For $142,000 Consolidated $3\frac{1}{2}$ per cent. 1930 Loan.....	142,319	25
For $75,900 Public Improvement $3\frac{1}{2}$ per cent. 1940 Loan	75,897	75
Amt. carried forward	$397,786	12

STATEMENT

DR. *The Commissioners of Finance in account*

Amts. brought forward ..	$3,050,420 01	$311,607 04
From Balto. and Ohio R. R. Co., on account of purchase of Pittsburg and Connellsville R. R. bonds.....	40,000 00	
		3,090,420 01
To W. M. R. R. Terminal Co. Sinking Fund:		
From interest on stocks....	$ 682 34	
From one-seventh rent of depot by W. Md. R. R. Co.	1,311 60	
From redemption of Consolidated 6 per cent. 1893 Loan	100 00	
		2,093 94
To Hillen Station Sinking Fund:		
From interest on stocks....	2,227 83	
From W. Md. R. R. Co., $\frac{1}{8}$ rent of station	2,000 00	
From redemption of Consolidated 6 per cent. 1893 Loan	100 00	
		4,327 83
Amt. carried forward		$3,408,448 82

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amt. brought forward....	$397,786 12	
For $13,300 W. Md. R. R. 3½ per cent. 1927 Loan.....	12,955 00	
For $4,000 W. Md. R. R. 3d mortgage (coupon) bonds.	4,580 00	
For $2,000 W. Md. R. R. 3d mortgage (registered) bonds.....	2,285 00	
For redemption of Consolidated 6 per cent. 1890 Loan	2,000 00	
For redemption of Consolidated 6 per cent. 1893 Loan	2,206,068 05	
For redemption of Exempt 6 per cent. 1893 Loan....	393,253 87	
For one year's interest on W. Md. R. R. 6 per cent. 1902 Loan.....	60,000 00	
For one year's interest on W. Md. R. R. 3d mortgage bonds.....	52,380 00	
For books, advertising, &c..	257 64	
For legal services.....	400 00	
For clerical services.....	500 00	
For $23,050.37 of paving certificates.....	20,641 36	
Amt. carried forward.....		$3,153,107 04

STATEMENT

Dr. *The Commissioners of Finance in account*

Amt. brought forward		$3,408,448 82
To W. Md. R. R. 1925 *Loan Sinking Fund:*		
From interest on stocks		2,475 70
To W. Md. R. R. 1927 *Loan Sinking Fund:*		
From interest on stocks		4,171 99
To Water 1926 *Loan Sinking Fund:*		
From interest on stocks	5,831 25	
From City Collector by tax levy..	26,283 79	
From redemption of Consolidated 6 per cent. 1893 Loan	1,000 00	
		33,115 04
To Internal Improvement 1928 *Loan Sinking Fund:*		
From interest of stocks	$10,496 76	
From City Collector by Tax Levy	78,717 63	
Amts. carried forward..	$89,214 39	$3,448,211 55

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amt. brought forward....		$3,153,107 04
By Public Park Sinking Fund:		
For condemnation of land for park purposes	41,589 87	
For redemption of public park 6 per cent. 1890 Loan	1,000 00	
		42,589 87
By W. Md. R. R. Terminal Co. Sinking Fund.		
For $400 Jones' Falls 6 per cent. 1900 Loan.....	459 00	
For $100 Water 5 per cent. 1916 Loan.....	124 25	
For $1,500 Public Improvement 3½ per cent. 1940 Loan	1,500 00	
		2,083 25
By Hillen Station Sinking Fund:		
For $500 Jones' Falls 6 per cent. 1900 Loan.....	$580 00	
For $600 Jones' Falls 3 65/100 per cent. 1900 Loan.....	603 00	
For $200 Consolidated 3½ per cent. 1930 Loan.....	200 00	
Amts. carried forward....	$1,383 00	$3,197,780 16

STATEMENT

DR. *The Commissioners of Finance in account*

Amts. brought forward...	$89,214 39	$3,448,211 55
From Redemption of Consolidated 6 per cent. 1893 Loan.....	5,200 00	
From Redemption of Exempt 6 per cent. 1893 Loan.....	3,200 00	
		97,614 39
To Enoch Pratt Free Library Sinking Fund:		
From interest on stocks....	50,311 00	
From Redemption of Consolidated 6 per cent. 1893 Loan.....	14,900 00	
From Redemption of Exempt 6 per cent. 1893 Loan.....	4,200 00	
		69,441 00
To Horwitz Benevolent Fund:		
From interest on stocks....		568 14
Amt. carried forward.....		$3,615,835 08

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amts. brought forward...	$1,383 00	$3,197,780 16
For $2,000 Public Improvement 3½ per cent 1940 Loan.....	2,000 00	
		3,383 00
By W. Md. R. R. 1925 Loan Sinking Fund:		
For $800 Funding 6 per. cent. 1900 Loan.....	922 00	
For $2,000 Public Improvement 3½ per cent. 1940 Loan.....	2,000 00	
		2,922 00
By W. Md. R. R. 1927 Loan Sinking Fund:		
For $4,000 Public Improvement 3½ per cent. 1940 Loan.....	4,000 00	
For $200 W. Md. R. R. 3¼ per cent. 1927 Loan.....	192 50	
		4,192 50
By Water 1926 Loan Sinking Fund:		
For $500 City Hall 6 per cent. 1902 Loan.....	577 50	
Amts. carried forward....	$577 50	$3,208,277 66

STATEMENT

DR. *The Commissioners of Finance in account*

Amt. brought forward....	$3,615,835 08
To Trustees of McDonogh Educational Fund and Institute:	
From sales of property under Ordinance No. 211, 1893..	10,750 00
Amt. carried forward.....	$3,626,585 08

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr

Amts. brought forward...	$577 50	$3,208,277 66
For $11,800 Water 5 per cent. 1894 Loan.....	11,972 00	
For $8,700 Internal Improvement 3½ per cent. 1928 Loan.....	8,678 25	
For $6,300 Consolidated 3½ per cent. 1930 Loan.....	6,378 75	
For $5,000 Public Improvement 3½ per cent. 1940 Loan.....	5,000 00	
		32,606 50
By Internal Improvement 1928 Loan Sinking Fund:		
For $200 Jones' Falls 6 per cent. 1900 Loan.....	$223 00	
For $1,000 Funding 6 per cent. 1900 Loan.....	1,127 50	
For $200 City Hall 6 per cent. 1900 Loan.....	227 50	
For $1,900 City Hall 6 per cent. 1902 Loan.....	2,192 25	
For $5,700 W. Md. R. R. 6 per cent. 1902.....	6,595 63	
Amts. carried forward....	$10,365 88	$3,240,884 16

STATEMENT

Dr. *The Commissioners of Finance in account*

Amt. brought forward	$3,626,585 08
Amt. carried forward.....	$3,626,585 08

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amts. brought forward...	$10,365 88	$3,240,884 16
For $1,500 Water 5 per cent. 1916 Loan.....	1,762 50	
For $12,100 Water 5 per cent. 1894 Loan.....	12,281 50	
For $43,300 Internal Improvement 3½ per cent. 1928 Loan.....	43,002 38	
For $8,000 Consolidated 3½ per cent. 1930 Loan.....	8,048 37	
For $10,000 Public Improvement 3½ per cent. 1940 Loan.....	10,000 00	
For $24,900 W. Md. R. R. 3½ per cent 1927 Loan.....	24,309 50	
		109,770 13
By Enoch Pratt Free Library Sinking Fund:		
For amount paid to Enoch Pratt Free Library.....	50,000 00	
For $19,100 Public Improvement 3½ per cent. 1940 Loan.....	19,100 00	
		69,100 00
Amt. carried forward....		$3,419,754 29

STATEMENT

Dr. *The Commissioners of Finance in account*

Amt. brought forward	$3,626,585 08
	$3,626,585 08

No. 1—Concluded.

with the Mayor and City Council of Baltimore. Cr.

Amt. brought forward....	$3,419,754 29
By Horwitz Benevolent Fund:	
For $500 Public Improvement 3½ per cent. 1940 Loan	500 00
By Public Improvement 1940 *Loan Sinking Fund:*	
For amount paid for lithographing bonds.....	450 00
By Trustees of McDonogh Educational Fund and Institute:	
For amount paid D. L. Bartlett, treasurer.....	10,750 00
By balance, cash in bank to credit of sinking funds, December 31st, 1893.	195,130 79
	$3,626,585 08

STATEMENT No. 2.

"The Commissioners of Finance shall invest in city stock all moneys in their hands, or to their credit in bank, received for the sale or rent of city property, pledged for the redemption of the public debt; and shall also invest all moneys that may hereafter be received from the above mentioned sources, as well as all interest accruing thereon, from time to time, and report to the City Council the amounts purchased, and the dates and prices at which they were purchased." (Article XLVII, Section 13, Baltimore City Code.)

Date.	Sinking Fund.	Amount Purchased.	Description of Stock.	Amount paid.
Jan. 10	Hillen Station.....	$ 500 00	Jones' Falls 6 per ct. 1900 Loan...	$ 580 00
" 13	Internal Imp't Loan..	5,000 00	W. Md. R. R. 3¼ per ct. 1927 Loan.	4,912 50
" 17	Water 1926 Loan.....	6,300 00	Consolidated 3½ per ct. 1930 Loan.	6,378 75
" 18	Internal Imp't Loan..	5,700 00	" 3½ per ct. 1930 Loan.	5,764 12
" 18	" " "	2,900 00	Internal Imp't 3½ p. ct. 1928 Loan.	2,932 63
" 20	General.....	12,600 00	Consolidated 3½ per ct. 1930 Loan.	12,726 00
" 21	"	4,300 00	Internal Imp't 3½ p. ct. 1928 Loan.	4,343 00
" 21	"	7,400 00	Consolidated 3½ per ct. 1930 Loan.	7,474 00
" 23	"	5,000 00	Internal Imp't 3½ p. ct. 1928 Loan.	5,050 00
" 23	"	2,600 00	Consolidated 3½ per ct. 1930 Loan.	2,626 00
" 30	"	4,400 00	Internal Imp't 3½ p. ct. 1928 Loan.	4,455 00
" 31	W. Md. 1927 Loan....	200 00	W. Md. R. R. 3¼ per ct. 1927 Loan.	192 50
Feb. 1	W. Md. Ter. Co.....	400 00	Jones' Falls 6 per ct. 1900 Loan...	459 00

Feb.	1	W. Md. 1925 Loan....	800 00	Funding 6 per ct. 1900 Loan.....	922 00
"	2	Hillen Station.....	600 00	Jones' Falls $3\frac{65}{100}$ p. ct. 1900 Loan.	603 00
"	6	W. Md. Ter. Co.....	100 00	Water 5 per ct. 1916 Loan.....	124 25
"	8	General.....	1,500 00	W. Md. R. R. $3\frac{1}{4}$ per ct. 1927 Loan.	1,458 75
"	8	"	13,400 00	Internal Imp't $3\frac{1}{2}$ p. ct. 1928 Loan.	13,634 50
"	9	"	20,000 00	" $3\frac{1}{2}$ p. ct. 1928 Loan.	20,350 00
"	10	"	3,500 00	W. Md. R. R. $3\frac{1}{4}$ per ct. 1927 Loan.	3,403 75
"	13	Internal Imp't Loan..	200 00	City Hall 6 per ct. 1900 Loan.....	227 50
"	13	" " "	900 00	W. Md. R. R. 6 per ct. 1902 Loan..	1,059 75
"	17	General.....	24,200 00	Water 5 per ct. 1916 Loan.....	30,067 87
"	17	"	1,000 00	Funding 5 per ct. 1916 Loan.....	1,243 13
"	17	"	4,000 00	W. Md. R. R. 3d mortgage bonds..	4,580 00
Mar.	3	Internal Imp't Loan..	300 00	" " $3\frac{1}{4}$ per ct. 1927 Loan.	289 50
May	1	" " "	1,000 00	" " 6 per ct. 1902 Loan..	1,165 00
"	1	" " "	1,500 00	Water 5 per ct. 1916 Loan.....	1,762 50
"	11	General.....	1,300 00	Consolidated 6 per ct. 1893 Loan...	1,315 60
"	12	"	1,000 00	" 6 per ct. 1893 Loan...	1,012 16
"	12	"	1,000 00	Exempt 6 per ct. 1893 Loan.....	1,012 17
"	15	"	1,000 00	" 6 per ct. 1893 Loan.....	1,012 66
"	22	"	100 00	Consolidated 6 per cent. 1893 Loan	101 37
"	23	"	2,000 00	W. Md. R. R. 3d Mtg. red'd Bonds.	2,285 00
"	23	Internal Imp't Loan..	600 00	City Hall 6 per cent. 1902 Loan...	691 50
"	23	" " "	200 00	W. Md. R. R. $3\frac{1}{4}$ per ct. 1927 Loan.	192 50
		Am'ts carried for'd...	$137,500 00		$146,407 96

STATEMENT NO. 2—Continued.

DATE.	SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
	Amt's brought for'd..	$137,500 00		$146,407 96
May 25	Internal Imp't Loan..	2,700 00	W. Md. R. R. 6 per ct. 1902 Loan..	3,132 00
" 25	General.....	500 00	Exempt 6 per cent. 1893 Loan....	507 10
" 29	Internal Imp't Loan..	300 00	City Hall 6 per cent. 1902 Loan...	345 75
" 31	" " " ..	1,000 00	Funding 6 per ct. 1900 Loan.. ...	1,127 50
June 1	" " " ..	8,100 00	Water 5 per ct. 1894 Loan.....	8,221 50
" 1	" " " ..	200 00	Jones' Falls 6 per ct. 1900 Loan...	223 00
" 5	General.....	25,000 00	Consolidated 6 per ct. 1893 Loan..	25,404 17
" 6	Water 1926 Loan.....	8,500 00	Water 5 per ct. 1894 Loan.....	8,627 50
" 6	Internal Imp't Loan..	1,000 00	City Hall 6 per ct. 1902 Loan.....	1,155 00
" 8	Water 1926 Loan....	500 00	" " 6 per ct. 1902 Loan.....	577 50
" 9	" " "	1,300 00	Water 5 per ct. 1894 Loan.... ...	1,319 50
" 9	General.....	6,200 00	Internal Imp't 3½ pr. ct. 1928 Loan	6,215 50
" 12	"	61,900 00	Consolidated 3½ per ct. 1930 Loan.	62,209 50
" 26	"	800 00	" 6 per ct. 1893 Loan..	815 73
" 27	"	1,000 00	Exempt 6 per ct. 1893 Loan.....	1,019 83
" 28	"	1,300 00	" 6 per ct. 1893 Loan.....	1,326 00
July 11	Internal Imp't Loan..	1,400 00	Internal Imp't 3½ pr. ct. 1928 Loan	1,396 50
" 11	" " " ..	4,000 00	Water 5 per ct. 1894 Loan.....	4,060 00

July 11	Internal Imp't Loan..	300 00	Consolidated 3½ per ct. 1930 Loan.	299 25
" 14	Hillen Station.....	200 00	" 3½ per ct. 1930 Loan.	200 00
" 14	General.....	9,070 09	Paving certificates.....	8,063 31
" 14	"	3,185 84	"	2,832 22
" 14	"	4,000 00	Consolidated 6 per ct. 1893 Loan..	4,095 33
" 22	Internal Imp't Loan..	5,100 00	Internal Imp't 3½ per ct. 1928 Loan	5,061 75
" 22	" " " ..	1,000 00	" " 3½ per ct. 1928 Loan	995 00
" 24	" " " ..	1,000 00	" " 3½ per ct. 1928 Loan	992 50
" 26	Water 1926 Loan.....	8,700 00	" " 3½ per ct. 1928 Loan	8,678 25
" 27	Internal Imp't Loan..	5,900 00	" " 3½ per ct. 1928 Loan	5,885 25
" 28	" " " ..	8,000 00	" " 3½ per ct. 1928 Loan	7,980 00
Aug 1	" " " ..	1,100 00	W. Md. R. R. 6 per ct. 1902 Loan..	1,238 88
" 8	General.....	1,500 00	Exempt 6 per ct. 1893 Loan.....	1,540 25
" 9	"	1,000 00	" 6 per ct. 1893 Loan.....	1,027 00
Sept. 6	Pratt Library.....	19,100 00	Public Imp't 3½ per ct. 1940 Loan.	19,100 00
" 14	Internal Imp't Loan..	10,000 00	Internal Imp't 3½ p. ct. 1928 Loan.	9,825 00
" 14	" " "	1,000 00	" " 3½ p. ct. 1928 Loan.	987 50
" 14	" " "	1,000 00	" " 3½ p. ct. 1928 Loan.	991 25
" 14	" " "	1,000 00	" " 3½ p. ct. 1928 Loan.	992 50
" 14	" " "	2,000 00	Consolidated 3½ per ct. 1930 Loan.	1,985 00
" 19	General.....	18,000 00	Internal Imp't 3½ p. ct. 1928 Loan.	18,000 00
" 19	"	3,000 00	" " 3½ p. ct. 1928 Loan.	3,003 75
" 19	"	10,600 00	" " 3½ p. ct. 1928 Loan.	10,626 50
	Am'ts carried for'd..	$378,955 93		$388,492 03

STATEMENT No. 2—Continued.

DATE.	SINKING FUND.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
	Am'ts brought for'd..	$378,955 93		$388,492 03
Sep. 19	General.....	29,000 00	Consolidated 3½ per ct. 1930 Loan..	28,782 50
" 19	"	5,000 00	" 3½ per ct. 1930 Loan..	4,987 50
" 19	"	6,000 00	" 3½ per ct. 1930 Loan..	6,015 00
" 22	Internal Imp't.....	9,000 00	W. Md. R. R. 3¼ p. ct. 1927 Loan...	8,775 00
" 26	General.....	900 00	Public Imp't 3½ p. ct. 1940 Loan...	897 75
" 28	Internal Imp't.....	10,400 00	W. Md. R. R. 3¼ p. ct. 1927 Loan...	10,140 00
" 29	Horwitz Benevolent..	500 00	Public Imp't 3½ p. ct. 1940 Loan...	500 00
" 29	Internal Imp't.....	10,000 00	" 3½ p. ct. 1940 Loan...	10,000 00
" 29	Hillen Station.....	2,000 00	" 3½ p. ct. 1940 Loan...	2,000 00
" 29	W. Md. 1925 Loan....	2,000 00	" 3½ p. ct. 1940 Loan...	2,000 00
" 29	" 1727 Loan....	4,000 00	" 3½ p. ct. 1940 Loan...	4,000 00
" 29	Water 1926 Loan.....	5,000 00	" 3½ p. ct. 1940 Loan...	5,000 00
" 29	W. Md. Ter. Co.....	1,500 00	" 3½ p. ct. 1940 Loan...	1,500 00
" 29	General.....	75,000 00	" 3½ p. ct. 1940 Loan...	75,000 00
Oct. 2	"	8,300 00	W. Md. R. R. 3¼ p. ct 1927 Loan...	8,092 50
Nov 15	Internal Imp't.....	5,000 00	Internal Imp't 3½ p. ct. 1928 Loan..	4,962 50
" 16	General.....	7,600 00	Consolidated 3½ per ct. 1930 Loan..	7,581 00
" 21	"	5,100 00	Internal Imp't 3½ p. ct. 1928 Loan.	5,112 75

Nov 21	General.....	5,200 00	Consolidated 3½ per ct. 1930 Loan.	5,213 00
" 27	"	900 00	" 3½ per ct. 1930 Loan.	902 25
" 28	"	2,400 00	" 3½ per ct. 1930 Loan.	2,406 00
Dec. 4	"	700 00	Internal Imp't 3½ p. ct. 1928 Loan.	701 75
" 4	"	400 00	Water 5 per ct. 1894 Loan.....	401 00
" 12	"	6,863 71	Paving Certificate.....	6,207 84
" 12	"	3,475 72	" "	3,127 53
" 12	"	455 01	" "	410 46
" 15	"	7,000 00	Water 5 per ct. 1894 Loan.....	7,078 75
" 22	"	1,700 00	Jones' Falls 6 per ct. 1900 Loan...	1,891 25
" 22	"	300 00	City Hall 6 per ct. 1900 Loan.....	329 25
" 22	"	1,000 00	W. Md. R. R. 4 p. ct. 1925 Loan...	1,067 50
" 22	"	1,400 00	Consolidated 3½ p. ct. 1930 Loan..	1,396 50
" 22	"	3,600 00	Internal Imp't 3½ p. ct. 1928 Loan.	3,591 00
" 26	"	200 00	Water 5 per ct. 1894 Loan.....	202 25
" 28	"	2,000 00	Jones' Falls 3 65/100 p. ct. 1900 Loan..	2,015 00
" 28	Water 1926 Loan.....	2,000 00	Water 5 per ct. 1894 Loan	2,025 00
		$604,850 37		$612,804 86

STATEMENT No. 2—Concluded.

RECAPITULATION.

Sinking Fund.	Amount Purchased.	Description of Stock.	Amount Paid.
General	$ 47,500 00	Six per cent. loans	$ 49,274 87
"	32,800 00	Five per cent. loans	38,993 00
"	1,000 00	Four per cent. loans	1,067 50
"	312,200 00	Three $\frac{5}{100}$ per cent. loans	313,300 75
"	13,300 00	Three $\frac{25}{100}$ per cent. loans	12,955 00
"	2,000 00	Three $\frac{65}{100}$ per cent. loans	2,015 00
"	23,050 37	Paving certificates	20,641 36
Internal Improvement Loan.	9,000 00	Six per cent. loans	10,365 88
" " "	13,600 00	Five per cent. loans	14,044 00
" " "	61,300 00	Three $\frac{5}{100}$ per cent. loans	61,050 75
" " "	24,900 00	Three $\frac{25}{100}$ per cent. loans	24,309 50
W. Md. Terminal Company	400 00	Six per cent. loans	459 00
" " "	100 00	Five per cent. loans	124 25
" " "	1,500 00	Three $\frac{5}{100}$ per cent. loans	1,500 00
Hillen Station	500 00	Six per cent. loans	580 00
" "	600 00	Three $\frac{65}{100}$ per cent. loans	603 00
" "	2,200 00	Three $\frac{5}{100}$ per cent. loans	2,200 00

Horwitz Benevolent Fund...	500 00	Three $\frac{5}{100}$ per cent. loans	500 00
Water 1926 Loan.....	500 00	Six per cent. loans.....	577 50
" " "	11,800 00	Five per cent. loans	11,972 00
" " "	20,000 00	Three $\frac{5}{100}$ per cent. loans	20,057 00
W. Md. 1925 Loan.....	800 00	Six per cent. loans.....	922 00
" " "	2,000 00	Three $\frac{5}{200}$ per cent. loans.....	2,000 00
W. Md. 1927 Loan.	4,000 00	Three $\frac{5}{100}$ per cent. loans	4,000 00
" " "	200 00	Three $\frac{5}{100}$ per cent. loans	192 50
Pratt Library.....	19,100 00	Three $\frac{5}{100}$ per cent. loans	19,100 00
	$604,850 37		$612,804 86

STATEMENT No. 3.

Condition of Sinking Funds, December 31, 1893.

City Hall 6 per cent. 1900 Loan	$78,600 00	
City Hall 6 per cent. 1902 Loan	45,900 00	
Funding 6 per cent. 1900 Loan	151,800 00	
Western Maryland Railroad 6 per cent. 1902 Loan	93,000 00	
Park Improvement 6 per cent. 1895 Loan	92,158 80	
Jones' Falls 6 per cent. 1900 Loan	61,400 00	
		$522,858 80
Water 5 per cent. 1894 Loan	707,900 00	
" 5 " 1916 "	24,200 00	
Funding 5 per cent. 1916 Loan	31,700 00	
		763,800 00
Harford Run 4 per cent. 1920 Loan	50,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan	133,700 00	
Patterson Park 4 per cent. 1920 Loan	5,000 00	
Water 4 per cent. 1926 Loan	194,000 00	
Paving 4 per cent. 1920 Loan	31,000 00	
Harford Run 4 per cent. 1904 Loan	1,700 00	
		415,400 00
Amt. carried forward		$1,702,058 80

STATEMENT No. 3—Continued.

Amt. brought forward....		$1,702,058 80
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan.....	53,700 00	
Jones' Falls $3\frac{1}{2}$ per cent. 1900 Loan.....	160,000 00	
Internal Improvement $3\frac{1}{2}$ per cent. 1928 Loan.....	397,900 00	
Consolidated $3\frac{1}{2}$ per cent. 1930 Loan.....	305,478 52	
Public Improvement $3\frac{1}{2}$ per cent. 1940 Loan.....	75,900 00	
		992,978 52
Western Maryland Railroad $3\frac{1}{4}$ per cent. 1927 Loan...		678,800 00
Jones' Falls 3 per cent. 1900 Loan.....		53,300 00
Paving certificates.....		23,050 37
Union Railroad 6 per cent. 1st mortgage bonds.....		87,500 00
Western Maryland Railroad 6 per cent. 1st mortgage bonds.....		43,500 00
Western Maryland Railroad 6 per cent. 3d mortgage bonds (registered).....		236,000 00
Western Maryland Railroad 6 per cent. 3d mortgage bonds (coupon).....		97,000 00
Amt. carried forward....		$3,914,187 69

STATEMENT No. 3—Continued.

Amt. brought forward...		3,914,187 69
Western Maryland Railroad 6 per cent. 2d preferred mortgage bonds.....		178,500 00
Western Maryland Railroad funding certificates.... .		226,530 00
Western Maryland Railroad unendorsed coupons off 1st mortgage bonds.....		71,742 00
Hillen Station property....	200,000 00	
Less amount of sinking fund for the repayment of cost thereof.....	48,546 87	
		151,453 13
Western Maryland Terminal depot property.....	131,163 81	
Less amount of sinking fund for the repayment of cost thereof.....	15,939 66	
		115,224 15
Due by Baltimore and Ohio Railroad Company on account of purchase of Pittsburg and Connellsville Railroad Company, under Ordinance No. 47, 1885...		280,000 00
Ground rents purchased under Ordinance No. 81, of 1881		274,235 27
Cash		118,751 26
		$5,330,623 50

STATEMENT No. 3—Continued.

Amts. brought forward.....	.....	.....
Public Park Sinking Fund:		
Cash		$65,315 60
Western Maryland Railroad 1925 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan.....	$3,300 00	
City Hall 6 per cent. 1902 Loan.....	2,700 00	
Funding 6 per cent. 1900 Loan.....	2,800 00	
Western Maryland Railroad 6 per cent. 1902 Loan....	2,600 00	
Jones' Falls 6 per cent. 1900 Loan.....	100 00	
		11,500 00
Western Maryland Railroad 6 per cent. 3d mortgage bonds		500 00
Water 5 per cent. 1916 Loan	$6,100 00	
Water 5 per cent. 1894 Loan	2,900 00	
		9,000 00
Western Maryland Railroad 4 per cent. 1925 Loan.....		21,800 00
Jones' Falls 3.65 per cent. 1900 Loan.....		800 00
Consolidated 3½ per cent. 1930 Loan.....	$11,900 00	
Amts. carried forward....	$11,900 00	$43,600 00

STATEMENT No. 3—Continued.

Amts. brought forward...	$11,900 00	$43,600 00
Public Improvement 3½ per cent. 1940 Loan..	2,000 00	
		13,900 00
Cash		534 55
		$58,034 55
Western Maryland Railroad 1927 *Loan Sinking Fund:*		
City Hall 6 per cent. 1900 Loan.....	$ 700 00	
City Hall 6 per cent. 1902 Loan.....	400 00	
Funding 6 per cent. 1900 Loan.....	700 00	
Jones' Falls 6 per cent. 1900 Loan.....	3,000 00	
Western Maryland Railroad 6 per cent. 1902 Loan....	1,500 00	
		$6,300 00
Western Maryland Railroad 6 per cent. 3d mortgage bonds		4,500 00
Water 5 per cent. 1916 Loan.	3,700 00	
Water 5 per cent. 1894 Loan.	200 00	
		3,900 00
Western Maryland Railroad 3¼ per cent. 1927 Loan....		100,700 00
Amt. carried forward.....		$115,400 00

STATEMENT No. 3—Continued.

Amt. brought forward....		$115,400 00
Consolidated 3½ per cent. 1930 Loan.....	1,700 00	
Public Improvement 3½ per cent. 1940 Loan.....	4,000 00	
		5,700 00
Cash.....		218 62
		$121,318 62
Hillen Station Sinking Fund:		
City Hall 6 per cent. 1900 Loan.....	$2,900 00	
Western Maryland Railroad 6 per cent. 1902 Loan ...	5,200 00	
Funding 6 per cent. 1900 Loan	1,000 00	
Jones' Falls 6 per cent 1900 Loan	1,000 00	
Park Improvement 6 per cent. 1895 Loan.....	1,900 00	
City Hall 6 per cent. 1902 Loan.....	300 00	
		$12,300 00
Western Maryland Railroad 6 per cent. 3d mortgage bond.....		500 00
Amt. carried forward.....		$12,800 00

STATEMENT No. 3—Continued.

Amt. brought forward		$12,800 00
Jones' Falls 5 per cent. 1900 Loan	8,000 00	
Water 5 per cent. 1894 Loan	7,300 00	
Funding 5 per cent. 1916 Loan	1,900 00	
Water 5 per cent. 1916 Loan	4,100 00	
		21,300 00
Paving 4 per cent. 1920 Loan		3,000 00
Jones' Falls $3\frac{65}{100}$ per cent. 1900 Loan		3,200 00
Consolidated $3\frac{1}{2}$ per cent. 1930 Loan	4,700 00	
Public Improvement $3\frac{1}{2}$ per cent. 1940 Loan	2,000 00	
		6,700 00
Cash		1,546 87
		$48,546 87

Western Maryland Railroad Terminal Company Sinking Fund:		
City Hall 6 per cent. 1900 Loan	$1,000 00	
City Hall 6 per cent. 1902 Loan	100 00	
Western Maryland Railroad 6 per cent. 1902 Loan	1,100 00	
Amt. carried forward	$2,200 00	

STATEMENT No. 3—Continued.

Amt. brought forward....	$2,200 00	
Funding 6 per cent. 1900 Loan.....	1,000 00	
Jones' Falls 6 per cent. 1900 Loan.....	1,200 00	
		$4,400 00
Western Maryland Railroad 6 per cent. 3d mortgage bond.....		1,000 00
Water 5 per cent. 1916 Loan	2,600 00	
Water 5 per cent. 1894 Loan	1,600 00	
		4,200 00
Consolidated 3½ per cent. 1930 Loan.....	3,300 00	
Public Improvement 3½ per cent. 1940 Loan..... ...	1,500 00	
		4,800 00
Jones' Fall $3\frac{65}{100}$ per cent. 1900 Loan.....		900 00
Cash.....		639 66
		$15,939 66
Water 1926 *Loan Sinking Fund;*		
City Hall 6 per cent. 1900 Loan.....	$11,800 00	
City Hall 6 per cent. 1902 Loan.....	2,400 00	
Funding 6 per cent. 1900 Loan.....	17,200 00	
Amt. carried forward....	$31,400 00	

STATEMENT No. 3—Continued.

Amt. brought forward...	$31,400 00	
Jones' Falls 6 per cent. 1900 Loan.....	5,000 00	
Park Improvement 6 per cent. 1895 Loan.....	700 00	
Western Maryland Railroad 6 per cent. 1902...	1,300 00	
		$38,400 00
Water 5 per cent. 1894 Loan.	$33,400 00	
Water 5 per cent. 1916 Loan.	15,200 00	
Jones' Falls 5 per cent. 1900 Loan.....	100 00	
		48,700 00
Consolidated 3½ per cent. 1930 Loan.....	$31,600 00	
Internal Improvement 3½ per cent. 1928 Loan.....	8,700 00	
Public Improvement 3½ per cent. 1940 Loan.....	5,000 00	
		45,300 00
Western Maryland Railroad 3¼ per cent. 1927 Loan ...		12,200 00
Cash.....		5,137 85
		$149,737 85
Internal Improvement 1928 *Loan Sinking Fund;*		
Jones' Falls 6 per cent. 1900 Loan.....	$20,700 00	
Funding 6 per cent. 1900 Loan.....	9,800 00	
Amt. carried forward....	$30,500 00	

STATEMENT No. 3—Continued.

Amt. brought forward...	$30,500 00	
City Hall 6 per cent. 1900 Loan.....	12,600 00	
City Hall 6 per cent. 1902 Loan	5,400 00	
Park Improvement 6 per cent. 1895 Loan.....	865 00	
Western Maryland Railroad 6 per cent. 1902 Loan....	11,700 00	
		$61,065 00
Water 5 per cent. 1916 Loan..	$48,300 00	
Funding 5 per cent. 1916 Loan.....	8,900 00	
Water 5 per cent. 1894 Loan.	38,300 00	
Jones' Falls 5 per cent. 1900 Loan	1,200 00	
		$96,700 00
Harford Run 4 per cent. 1920 Loan	$ 7,700 00	
Western Maryland Railroad 4 per cent. 1925 Loan....	19,600 00	
Water 4 per cent. 1926 Loan.	1,100 00	
		$28,400 00
Jones' Falls 3.65 per cent. 1900 Loan.....		7,500 00
Internal Improvement 3½ per cent. 1928 Loan.....	43,300 00	
Consolidated 3½ per cent. 1930 Loan	8,000 00	
Amts. carried forward....	$51,300 00	$193,665 00

STATEMENT No. 3—Continued.

Amts. brought forward....	$51,300 00	$193,665 00
Public Improvement 3½ per cent. 1940 Loan.....	10,000 00	
		$61,300 00
Western Maryland Railroad 3¼ per cent. 1927 Loan...		39,800 00
		$294,765 00
Less amount over-invested..		1,609 96
		$293,155 04

STATEMENT No. 3—Concluded.

RECAPITULATION.

General Sinking Fund	$5,330,623 50
Public Park Sinking Fund	65,315 60
Western Maryland 1925 Loan Sinking Fund	58,034 55
Western Maryland 1927 Loan Sinking Fund	121,318 62
Hillen Station Sinking Fund	48,546 87
Western Maryland Railroad Terminal Company Sinking Fund	15,939 66
Water 1926 Loan	149,737 85
Internal Improvement 1928 Loan	293,155 04
	$6,082,671 69

STATEMENT No. 4.

Condition of the Enoch Pratt Free Library Sinking Fund, held in trust by the Commissioners of Finance, as per Ordinance No. 64, 1883, on December 31st, 1893.

Funding 6 per cent. 1900 Loan	$16,900 00	
City Hall 6 per cent. 1900 Loan	35,700 00	
City Hall 6 per cent. 1902 Loan	6,500 00	
Western Maryland Railroad 6 per cent. 1902 Loan	21,300 00	
Park Improvement 6 per cent. 1895 Loan	700 00	
Jones' Falls 6 per cent. 1900 Loan	11,300 00	
		$92,400 00
Western Maryland Railroad 6 per cent. 3rd mortgage guaranteed bonds (registered)		10,000 00
Water 5 per cent. 1916 Loan.	54,300 00	
Funding 5 per cent. 1916 Loan	2,500 00	
Jones' Falls 5 per cent. 1900 Loan	81,200 00	
Water 5 per cent. 1894 Loan.	22,900 00	
		$160,900 00
Amt. carried forward		$263,300 00

STATEMENT No. 4—Concluded.

Amt. brought forward ...		$263,300 00
Paving 4 per cent. 1920 Loan	62,300 00	
Patterson Park 4 per cent. 1920 Loan	195,000 00	
Water 4 per cent. 1922 Loan.	500,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan	2,100 00	
Harford Run 4 per cent. 1920 Loan	900 00	
Water 4 per cent. 1926 Loan.	1,000 00	
		761,300 00
Consolidated 3½ per cent 1930 Loan	113,200 00	
Internal Improvement 3½ per cent. 1928 Loan.....	13,200 00	
Public Improvement 3½ per cent. 1940 Loan.....	19,100 00	
		145,500 00
Western Maryland Railroad 3¼ per cent. 1927 Loan....		4,000 00
Cash		756 31
		$1,174,856 31

STATEMENT No. 5.

Condition of the Horwitz Benevolent Fund, held by the Commissioners of Finance. as per Resolution No. 7, 1888, on December 31st, 1893.

Funding 6 per cent. 1900 Loan	$1,800 00	
City Hall 6 per cent. 1900 Loan	1,300 00	
Western Maryland Railroad 6 per cent. 1902 Loan	5,300 00	
Jones' Falls 6 per cent. 1900 Loan	200 00	
		8,600 00
Water 5 per cent. 1916 Loan.	100 00	
Water 5 per cent. 1894 Loan.	500 00	
		600 00
Western Maryland Railroad 4 per cent. 1925 Loan		300 00
Jones' Falls 3.65 per cent. 1900 Loan		100 00
Public Improvement 3½ per cent. 1940 Loan		500 00
Western Maryland Railroad 3¼ per cent. 1927 Loan		200 00
Cash		142 03
		$10,442 03

STATEMENT No. 6.

A Schedule of Real Estate and Ground Rents upon the books of the Commissioners of Finance.

LESSEES.	LOCATION OF LOTS.	ANNUAL RENTAL.
Swain & Banks	Nos. 9, 10, 11 and 12 President street.	$ 452 25
C. S. Maltby	Nos. 24, 25, 26, 27, 28, 29 and 30 south side of Block street	910 88
C. S. Maltby	Nos. 5, 6, 7 and 8 north side of Block street	293 60
Sisters of Mercy	Calvert Street Spring Lot	1,000 00
Baltimore and Philadelphia Steamboat Company	200 feet Pratt Street wharf.	3,600 00
Platt & Co	Old Fish House property, south side of basin.	1,457 00
John G. Huck	Light street, corner of Weyler street	75 70
E. B. Hunting & Co	Nos. 5, 6, 7 and 8 President street.	502 50
George Hickman	Fayette and Arch streets	52 00
Boys' Home Society	Pleasant and Calvert streets.	50 00
James Clark & Co	City Yard property	497 25
Baltimore Dredging Co	City Yard property	480 00
Sarah A. Vogt	Battery avenue	157 50
Sophia M. Kelly	Nos. 21, 22, 23, 24, 25 and 26 Weyler street.	150 00
Aaron Hess	No. 27 Weyler street	33 60

John F. Weyler	No. 28 Weyler street	19 20
James Baumgarten	No. 29 " "	26 32
William Kleinhenn	No. 30 " "	26 32
Mrs. A. Young	Nos. 31 and 32 Weyler street	52 64
Charles N. Oehm	No. 33 Weyler street	26 32
H. Klasmeier	No. 34 " "	25 48
Catherine Karch	No. 35 " "	26 32
Mary A. Steen	Nos. 37 and 38 Weyler street	52 64
F. Kull	No. 39 Weyler street	19 20
George Wimmer	No. 40 " "	20 32
E. Snellenberg	Nos. 41 and 42 Weyler street	54 49
J. A. J. Goetz	No. 43 Weyler street	29 60
F. Schott	No. 49 " "	26 32
August Pfeil	No. 45 " "	29 60
August Pfeil	Light and Weyler streets	78 06
		$10,225 11

Purchased by authority of Ordinance No. 81, of 1881.

Baltimore Belt Railroad Co.	Park avenue, near Preston street	$549 00	
Mayor and City Council	Hollins and Monroe streets	750 00	
" " "	Howard & Little Montgomery sts	120 00	
" " "	Penna. avenue and Robert street	86 00	
	Amounts carried forward	$1,505 00	$10,225 11

STATEMENT No. 6—Concluded.

LESSEES.	LOCATION OF LOTS.		ANNUAL RENTAL.
	Amounts brought forward	$1,505 00	$10,225 11
Mayor and City Council	Old Frederick road & Fairview ave.	360 00	
" " "	Waesche street, near Fremont	480 00	
" " "	Castle street	209 25	
" " "	Hanover and Lee streets	210 00	
" " "	Sharp and West streets	570 00	
" " "	Argyle avenue, near Lanvale street	120 00	
" " "	Hull and Clement streets	350 00	
" " "	Linden avenue and Wilson street	840 00	
" " "	Charles and Ostend streets	372 50	
" " "	Ann and Chase streets	501 75	
" " "	Howard street, opposite Centre	1,000 00	
" " "	Preston and Eden streets	80 00	
" " "	Broadway and Bank street	200 00	
" " "	Mosher and Gilmor streets	757 00	
" " "	Monument and Chester streets	1,200 00	
" " "	Collington Square	960 00	
" " "	Perkins Spring	2,052 00	

"	"	"	.....	Riverside Park.....	3,770 62	
"	"	"	.....	Holliday and Fayette streets.....	56 00	
"	"	"	.....	Lexington and Paca streets.....	228 00	
						15,822 12
				(Purchased at a cost of $274,235.27)		
						$26,047 23

STATEMENT No. 7.

Statement of Funded and Guaranteed Debt.

NAME OF LOAN.	RATE.	WHEN REDEEMABLE.	AMOUNT.
Water	6 per cent.	At pleasure after July 1, 1894	$ 263,000 00
"	5 "	" " July 1, 1894	3,737,000 00
"	5 "	" " July 1, 1916	5,000,000 00
"	4 "	" " Nov. 1, 1922	500,000 00
"	4 "	" " Nov. 1, 1926	1,000,000 00
Funding	6 "	" " July 1, 1900	800,000 00
"	5 "	" " July 1, 1916	1,000,000 00
Harford Run	4 "	" " Jan. 1, 1920	250,000 00
Paving	4 "	" " Nov. 1, 1920	500,000 00
Consolidated	3½ "	" " July 1, 1930	5,000,000 00
Park Improvement	6 "	January 1, 1895	185,723 80
Jones' Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	3.65 "	" 9, 1900	483,000 00
"	3½ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
City Hall	6 "	March 15, 1900	1,000,000 00
"	6 "	" 7, 1902	500,000 00

Western Maryland Railroad.	6	"	January 1, 1902	$1,000,000 00
" " "	4	"	" 1, 1925	684,000 00
" " "	3¼	"	" 1, 1927	1,704,000 00
Internal Improvement	3½	"	July 1, 1928	4,850,000 00
Public Improvement	3½	"	January 1, 1940	1,759,500 00
Harford Run	4	"	November 3, 1904	350,000 00
Patterson Park	4	"	October 1, 1920	200,000 00
McDonogh Extension	5	"	September 1, 1916	280,000 00
Overdue Stock	6	"	No interest allowed	482 00
Water, 1875	6	"	" "	540 00
One Million, 1886	6	"	" "	630 50
Consolidated, 1890	6	"	" "	16,695 81
Five Million, 1890	6	"	" "	4,803 45
Consolidated, 1893	6	"	" "	5,000 00
Exempt, 1893	6	"	" "	17,100 00
			Total funded debt	$33,108,475 56

GUARANTEED DEBT.

Western Maryland Railroad 6 per cent. third mortgage bonds	$875,000 00	
Union Railroad 6 per cent. first mortgage bonds	117,000 00	
		$992,000 00
Total funded and guaranteed debt		$34,100,475 56

STATEMENT No 8.

Balance Sheet of Sinking Funds Ledger December 31st, 1893.

	Dr.	Cr.
General Sinking Fund.....		$118,751 26
Public Park Sinking Fund		65,315 60
Western Maryland Railroad Terminal Co Sinking Fund		639 66
Western Maryland Railroad 1925 Loan Sinking Fund..		534 55
Western Maryland Railroad 1927 Loan Sinking Fund..		218 62
Hillen Station Sinking Fund		1,546 87
Internal Improvement 1928 Loan Sinking Fund.....	$ 1,609 96	
Water 1926 Loan Sinking Fund		5,137 85
Public Improvement 1940 Loan Sinking Fund.....	1,105 45	
Enoch Pratt Free Library Loan Sinking Fund.....		756 31
Horwitz Benevolent Fund..		142 03
Redemption of Five Million 1890 Loan.....		4,803 45
Balance.....	195,130 79	
	$197,846 20	$197,846 20

STATEMENT No. 9.

Indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore, December 31st, 1893.

First Mortgage Bonds held by Commissioners of Finance	$43,500 00	
Interest thereon from July 1st, 1891	6,525 00	
		$ 50,025 00
Second preferred Mortgage Bonds held by Commissioners of Finance	$178,500 00	
Interest thereon from July 1st, 1891	26,775 00	
		205,275 00
Accrued interest on Second Mortgage endorsement redeemed January 1st, 1887.		333,000 00
Third Mortgage endorsement	$ 875,000 00	
Interest thereon to December 31st, 1893	1,207,500 00	
		2,082,500 00
Fourth Mortgage to secure loan of city stock	$1,000,000 00	
Interest thereon to December 31st, 1893	1,290,000 00	
		2,290,000 00
Fifth Mortgage to secure loan of city stock	$1,704,000 00	
Interest thereon from July 1st, 1891	138,450 00	
		1,842,450 00
Amt. carried forward		$6,803,250 00

STATEMENT No. 9—Continued.

Amt. brought forward.....		$6,803,250 00
Loan of city stock under Ordinance No. 71 of 1882.	$684,000 00	
Interest thereon from July 1st, 1891.....	68,400 00	
		752,400 00
Funding certificate, being amount of matured coupons of first and second preferred mortgage bonds, funded as per Ordinance No. 22, of 1879.....	$226,530 00	
Interest thereon from January 1st, 1891.....	40,775 40	
		$267,305 40
Coupons from first mortgage unendorsed bonds.....	$71,742 00	
Interest thereon to December 31st, 1891.....	69,511 69	
		141,253 69
		$7,964,209 09
Less:		
Value of Western Maryland Railroad 1925 Loan Sinking Fund.....	$ 58,034 55	
Value of Western Maryland Railroad 1927 Loan Sinking Fund.....	121,318 62	
		179,353 17
		$7,784,855 92

NAME OF ISSUE.	RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
City Hall Loan 1900.....	6 per cent.	Jan., April, July and Oct.	Nat. Farm. & Plant. Bank.
" " 1902.....	6 "	" " "	" "
Funding " 1900.....	6 "	" " "	" "
W. M. R. R. Loan 1927...	3¼ "	January and July	" "
Consolidated Loan 1930...	3½ "	" "	" "
Patterson Park Extension Loan 1920.....	4 "	Jan., April, July and Oct.	National Mechanics' Bank.
Park Impt. Loan 1895....	6 "	" " "	" "
Public Park Loan 1890...	6 "	Mar., June, Sept. and Dec.	" "
Jones' Falls " 1900...	6 "	Feb., May, Aug. and Nov.	" "
" " 1900...	5 "	" " "	" "
" " 1900...	3.65 "	" " "	" "
" " 1900...	3½ "	" " "	" "
" " 1900...	3 "	" " "	" "
W. M. R. R. " 1902...	6 "	January and July	" "
" " " 1925...	4 "	" "	" "
Harford Run Improvem't Loan 1920.....	4 "	" "	" "
Completion of Harf'd Run Improvement Loan 1940	4 "	January and July.....	" "

Paying Loan 1920	4	"	May and November	National Mechanics' Bank	
Water " 1916	5	"	" "	"	"
" " 1894	6	"	" "	"	"
" " 1894	5	"	" "	"	"
" " 1922	4	"	" "	"	"
" " 1926	4	"	" "	"	"
Funding Loan 1916	5	"	" "	"	"
Exempt " 1893	6	"	March and September	"	"
Consolidated Loan 1893	6	"	" "	"	"
Internal Imp't Loan 1928	3½	"	January and July	Farm. & Mer. Nat. Bank	
Public Imp't Loan 1940	4	"	" "	Merchants' National Bank.	

GUARANTEES.

NAME OF ISSUE.	RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
Western Maryland R. R. Company's Bonds	6 per cent.	January and July	National Mechanics' Bank
Union R. R. Company's Bonds	6 "	" "	Franklin Bank.

ANNUAL REPORT

OF THE

CITY COLLECTOR

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

TAX DEPARTMENT,

CITY COLLECTOR'S OFFICE—CITY HALL,

BALTIMORE, January 1st, 1894.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

I have the honor to submit for your inspection the operations of this department for the year ending December 31st, 1893, in the first twenty wards of the city, and also in the Twenty-first and Twenty-second Wards.

The amount of money received from all sources during the year, including the Twenty-first and Twenty-second Wards, was $4,923,048.81.

On levy of 1888—present basis, $261,910,095—the total collections have amounted to 100 per cent.

On levy of 1889—present basis, $266,855,493—the total collections have amounted to 100 per cent.

On levy of 1890—present basis, $270,821,840—the total collections have amounted to $99\frac{96}{100}$ per cent.

On levy of 1891—present basis, $274,319,637—the total collections have amounted to $98\frac{99}{100}$ per cent.

On levy of 1892—present basis, $277,576,633—the total collections have amounted to $94\frac{58}{100}$ per cent.

On levy of 1893—present basis, $290,309,113—the total collections from May to December 31st, inclusive, amount to $69\frac{38}{100}$ per cent. Deducting amount of plant exempt from city taxation, the percentage collected amounts to $69\frac{73}{100}$ per cent.

Table A shows the monthly collections of both city and State, including the Twenty-first and Twenty-second Wards, amounting to $4,923,048.81. Of this sum the city's proportion was $4,460,212.45, and that of the State $462,836.36.

Table B shows the bases of the several levies on which collections have been made during the past year, with the amounts collected on each levy; also the gross amounts received for opening, closing and widening, for paving streets, etc.

By this table it will be seen that there has been collected on account of taxes in arrears	$1,084,015 46
On account of levy of 1893	3,122,216 03
For opening, closing and widening streets.	105,296 42
Total	$4,311,527 91

Table C shows the rate of tax per one hundred dollars, and the various items of the several levies from 1888 to 1893, inclusive.

Table D is an exhibit of the monthly receipts on the several levies from 1888 to 1893, inclusive; also receipts for opening, closing, widening streets and alleys.

Table E exhibits the amounts collected during the past year, in accordance with the rates stated in table C, divided in separate items forming each levy; also the amount of interest received from accounts in arrears, and the amount of discount allowed for the prompt payment of taxes.

Table F shows the bases and the basis collected upon within each year on the levies of the years 1887 to 1893, inclusive, to December 31st of each year; also on the levy of 1893 from date of levy to December 31st, 1893, and the levy of 1892 to December 31st, 1893.

Table G shows the percentage collected monthly from January 1st, 1893, to May, 1893, on the levy of 1892, and on the levy of 1893 to December 31st, 1893, inclusive.

Table H shows the receipts for opening, closing and widening streets and alleys during the year, amounting to $105,296.42.

Table J shows the total amounts collected, the total basis collected upon during the year 1893 in comparison with the same for the year 1892.

Table K is an exhibit of the bases of taxation realized upon on the levies from the year 1877 to 1890, inclusive, in the first twenty wards of the city.

ANNEX DEPARTMENT—TWENTY-FIRST AND TWENTY-SECOND WARDS.

On the levy of 1889—present basis $22,400,840—the total collections have amounted to 100 per cent.

On the levy of 1890—present basis $23,492,041—the total collections have amounted to $99\frac{50}{100}$ per cent.

On the levy of 1891—present basis $25,349,158—the total collections have amounted to $98\frac{99}{100}$ per cent.

On the levy of 1892—present basis $27,535,626—the total collections have amounted to $95\frac{55}{100}$ per cent.

On the levy of 1893—present basis $27,748,787—the total collections have amounted to $63\frac{87}{100}$ per cent.

Table A shows the amounts of City and State taxes collected during the past year upon the levies of 1889 to 1893 inclusive, amounting to $188,700.70; also the basis upon which such collections were made.

Table B shows the percentage collected on the present bases of the years 1889 to 1893, inclusive, from the dates of the respective levies to December 31st, 1893.

These exhibits will show that the collections for the current year have not been as great as would be desirable, but in view of the business derangements are as much as could be expected.

The department continues to be very much hampered for room, and your attention is again earnestly called to the necessity of enlarging our quarters.

Very respectfully,

Your obedient servant,

LEWIS N. HOPKINS,

Collector.

TABLES.

TABLE A.

Total City and State Taxes, including the Twenty-first and Twenty-second Wards received from January 1, 1893, *to December* 31, 1893, *inclusive.*

1893.	CITY.	STATE.	TOTAL.	21ST AND 22D WARDS.		
				CITY.	STATE.	TOTAL.
Jan. ..	$ 619,534 29	$ 61,775 07	$ 681,309 36	$ 20,109 47	$ 5,877 44	$ 25,986 91
Feb...	65,753 71	7,074 56	72,828 27	3,612 25	971 92	4,584 17
Mar ..	55,652 05	5,972 98	61,625 03	2,694 49	778 95	3,473 44
April..	69,577 85	5,468 96	75,046 81	2,592 62	749 49	3,342 11
May. .	2,024,604 31	170,963 03	2,195,567 34	67,630 91	15,507 25	83,138 16
June. .	252,069 60	24,575 98	276,645 58	10,760 22	3,153 97	13,914 19
July ..	158,942 62	16,743 43	175,686 05	5,656 77	1,554 86	7,211 63
Aug ..	116,510 74	28,906 63	145,417 37	3,965 57	2,468 02	6,433 59
Sept. .	151,543 14	16,248 64	167,791 78	5,782 95	1,507 46	7,290 41
Oct...	179,036 05	19,296 61	198,332 66	5,510 72	1,566 54	7,077 26
Nov ..	205,539 92	41,509 74	247,049 66	6,934 06	515 32	7,449 38
Dec...	412,763 63	24,284 57	437,048 20	13,434 51	5,364 94	18,799 45
	$4,311,527 91	$422,820 20	$4,734,348 11	$148,684 54	$40,016 16	$188,700 70

TABLE A—Concluded.

City	$4,311,527 91	State	$422,820 20
City, 21st and 22d Wards	148,684 54	State, 21st and 22d Wards	40,016 16
	$4,460,212 45		$462,836 36

City	$4,460,212 45
State	462,836 36
Total	$4,923,048 81

TABLE B.

Recapitulation of Taxes Collected from January 1st, 1893, to December 31st, 1893, inclusive.

	Basis.	Rate.	Tax.	Discount.	Net Tax.	Interest.	Total, including Discount and Interest.
1888.							
Real....	$ 26,146	190	$ 496 77	.....	$ 496 77	$ 98 60	$ 595 37
Personal.	5,200	190	98 80	.....	98 80	23 71	122 51
1889.							
Real....	24,481	190	465 15	.....	465 15	90 64	555 79
Personal.	74,931	190	1,423 69	.....	1,423 69	273 70	1,697 39
1890.							
Real....	865,805	185	16,017 41	.....	16,017 41	2,168 15	18,185 56
Personal.	323,027	185	5,975 98	.....	5,975 98	845 10	6,821 08
1891.							
Real....	8,972,022	155	139,066 30	.....	139,066 30	11,770 31	150,836 61
Personal.	1,064,311	155	16,496 80	.....	16,496 80	1,281 61	17,778 41

1892.							
Real....	50,824,373	155	787,777 78	.....	787,777 78	7,209 38	794,987 16
Personal.	5,925,630	155	91,847 26	.....	91,847 26	588 32	92,435 58
	$68,105,926	....	.....	.....	$1,059,665 94	$24,349 52	$1,084,015 46
1893.							
Real....	$144,708,269	155	$2,242,978 15	$56,739 81	$2,186,238 34	.....	$2,242,978 15
Personal.	56,725,026	155	879,237 88	36,660 82	842,577 06	.....	879,237 88
	$201,433,295			$93,400 63	$4,088,481 34	$24,349 52	$4,206,231 49

	$4,206,231 49
Opening streets and alleys	105,296 42
Paving streets and alleys	.....
	$4,311,527 91

TABLE C.

Rate of Tax per Hundred Dollars.

	1888.	1889.	1890.	1891.	1892.	1893.
Police Department...	27	27	29	28	25	31
Certain Expenses....	9	10	8	9	8	7
Public Schools.....	24	23	26	23	25	32
City Poor.....	9	8	10	10	10	11
City Direct.....	66	79	70	46	43	29
Miscellaneous Stocks..	40	35	33	24	30	30
Opening Streets.....	13	5	6	4	3	4
Water Tax.....	2	2	2	2	2	2
Water 1926 Sinking Fund.....	.....	½	½	1	1	1
Internal Improvement 1928 Sinking Fund.	.....	.....	½	3	3	3
General Sinking Fund.	.....	½	.....	5	5	5
	1.90	1.90	1.85	1.55	1.55	1.55

TABLE D.

Monthly receipts of Taxes on the several Levies from 1888 *to* 1893 *inclusive, for Opening Streets and Alleys, and for Paving Streets and Alleys, from January* 1, 1893, *to December* 31, 1893, *inclusive.*

1893.	1888.	1889.	1890.	1891.	1892.	1893.	Opening streets.	Paving streets.	Total.
January	$ 145 91	$ 337 08	$ 5,234 91	$ 30,793 59	$ 583,022 80				$ 619,534 29
February	311 51	334 81	4,371 97	12,257 08	48,478 34				65,753 71
March	63 62	645 79	2,504 67	19,714 51	31,799 36		$ 924 10		55,652 05
April		378 54	4,090 27	18,268 52	29,394 50		17,446 02		69,577 85
May		295 74	1,875 83	12,560 18	34,425 51	$ 1,942,551 87	32,895 18		2,024,604 31
June		46 93	789 51	8,019 23	21,636 24	202,976 55	18,601 14		252,069 60
July		14 36	468 28	5,483 30	23,141 36	122,822 67	7,012 65		158,942 62
August			274 04	6,012 11	25,354 30	80,094 44	4,775 85		116,510 74
September		199 93	1,552 86	6,250 32	25,815 73	112,127 83	5,596 47		151,543 14
October	82 43		2,875 23	12,166 46	19,896 89	134,903 96	9,111 08		179,036 05
November			541 60	21,308 73	20,896 45	155,958 83	6,834 31		205,539 92
December	114 41		427 47	15,780 99	23,561 26	370,779 88	2,099 62		412,763 63
	$ 717 88	$ 2,253 18	$ 25,006 64	$ 168,615 02	$ 887,422 74	$ 3,122,216 03	$ 105,296 42		$ 4,311,527 91

TABLE E.

Division of Taxes received from January 1, 1893, to December 31, 1893, inclusive.

	1888.	1889.	1890.	1891.	1892.	1893.	Total.
Police Department	$ 84 64	$ 268 43	$ 3,446 59	$ 28,101 46	$141,875 07	$ 605,763 08	$ 779,539 27
Certain Expenses	28 21	99 40	951 06	9,032 75	45,399 99	136,785 20	192,296 61
Public Schools	75 24	228 67	3,091 99	23,083 75	141,875 04	625,303 80	793,658 49
City Poor	28 20	79 53	1,188 84	10,036 31	56,749 99	214,948 17	283,031 04
City Direct	206 88	785 35	8,321 85	46,167 20	244,025 03	566,681 60	866,187 91
Miscellaneous Stock	125 38	347 96	3,923 11	24,087 18	170,249 98	586,222 35	784,955 96
Opening Streets	40 75	49 72	713 29	4,014 51	17,025 01	78,162 95	100,006 23
Water Tax	6 27	19 84	237 76	2,007 27	11,350 01	39,081 51	52,702 66
Water 1926 Sinking Fund	.....	4 96	59 45	1,003 63	5,674 99	19,540 76	26,283 79
Internal Improvement 1928 Sinking Fund	.....	.....	59 45	3,010 92	17,024 99	58,622 27	78,717 63
General Sinking Fund	.....	4 98	.....	5,018 12	28,374 94	97,703 71	131,101 75
	$595 57	$1,888 84	$21,993 39	$155,563 10	$879.625 04	$3,028,815 40	$4,088,481 34
Interest	122 31	364 34	3,013 25	13,051 92	7,797 70	.....	24,349 52
Discount	.....	.....	.....	.....	.....	93,400 63	93,400 63
	$717 88	$2,253 18	$25,006 64	$168,615 02	$887,422 74	$3,122,216 03	$4,206,231 49
Opening and closing streets and alleys	.....	.....	.....	.....	.....	.....	105,296 42
Paving streets and alleys	.....	.....	.....	.....	.....	.....	.....
							$4,311,527 91

TABLE G.

Showing the Percentage collected monthly from January 1, 1893, to May, 1893, on Levy of 1892, and on Levy of 1893 from May, 1893, to December 31, 1893, inclusive.

Basis.	Months.	Basis collected upon.	Per cent.
1892. $282,720,820	January	$ 37,614,374	13.30
	February	3,112,075	1.11
	March	2,031,259	.72
	April	1,868,393	.66
		$125,325,927	43.24
1893. $290,309,113	May	13,095,262	4.51
	June	7,924,044	2.51
	July	5,167,383	1.79
	August	7,234,054	2.48
	September	8,703,482	3.00
	October	10,061,860	3.47
	November	23,921,288	8.24
	December	$201,433,295	69.24

Basis December 31, 1893	$290,309,113
Less plant exemption	1,422,534
	$288,886,579

Amount collected on $201,433,295 equal to 69.73 per cent.

TABLE H.

Summary of Receipts for Opening and Closing Streets and Alleys from January 1st, 1893, to December 31st, 1893, inclusive.

Townsend street	$ 2,565 65
McCulloh street	56,206 64
Federal street	2,962 66
Bethel street	1,011 92
Chew street	174 00
Eutaw street	4,543 69
Union Dock	4,415 25
Sumwalt lane	395 00
Henry street	2,956 00
Webster street	405 87
Spring street	2,547 21
Cleveland street	4,125 00
Pinckney street	1,552 12
Clement street	887 25
Randall street	257 00
Bruce alley	160 50
Etting street	855 73
Ward street	1,975 00
St. Paul street	6,138 93
Durham street	3,700 93
Kirby's lane	598 37
Stockholm street	682 70
Whitelock street	5,692 50
Chase street	349 00
Collington avenue	137 50
	$105,296 42

TABLE J

Shows the total amounts collected, the total Basis collected upon during the year 1893, on Taxes in Arrears and on Levy of 1893, in comparison with the same for the year 1892.

The total amounts collected in 1893 were:

On taxes in arrears.....	$ 68,105,926	$1,084,015 46
On Levy of 1893.....	201,433,295	3,122,216 03
Total.....	$269,539,221	$4,206,231 49

The total amounts collected in 1892 were:

On taxes in arrears.....	$ 73,442,993	$1,212,220 27
On Levy of 1892.....	205,802,258	3,189,934 99
Total.....	$279,245,251	$4,402,155 26

Summary.

1893, taxes in arrears.....	$ 68,105,926	$1,084,015 46
1892, " "	73,442,993	1,212,220 27
1893, on Levy of 1893.....	$201,433,295	$3,122,216 03
1892, on Levy of 1892.....	205,802,258	3,189,934 99

TABLE K

Is an exhibit of the Bases of Taxation realized upon in the first twenty wards of the City on the Levies from the year 1877 to 1890, inclusive.

Year.	Total basis realized upon.	Increase.	
1877.....	$233,664,251	.....	
1878.....	227,424,677	$ 6,239,574	Decrease.
1879.....	229,254,146	$ 1,829,469	
1880.....	235,322,164	6,068,018	
1881.....	240,416,582	5,094,418	
1882.....	241,671,879	1,255,297	
1883.....	242,692,143	1,020,264	
1884.....	245,885,024	3,192,881	
1885.....	249,198,435	3,313,411	
1886.....	251,637,320	2,438,885	
1887.....	260,286,192	8,648,872	
1888.....	261,910,095	1,623,903	
1889.....	266,855,493	4,945,398	
1890.....	270,717,728	3,862,235	
	Increase.....	$43,293,051	

These are the bases actually collected upon, and represent the entire taxable valuations for those years, showing an increase from 1878 to 1890 of $43,293,051. For the years 1891, 1892 and 1893 the actual available basis has not yet been ascertained.

ANNEX DEPARTMENT,

21st and 22d Wards.

TABLE A.

The collections for the 21st and 22d Wards during 1893 were $148,684.54 of which there were collected on—

Levy of 1889	$	18 70
" 1890		366 84
" 1891		5,492 27
" 1892		36,485 21
" 1893		106,321 52
		$148,684 54

The bases collected on were—

Levy of 1889	$	2,630
" 1890		53,964
" 1891		842,998
" 1892		6,018,133
" 1893		17,720,257

STATE ANNEX,

21st and 22d Wards.

The amounts of State Taxes collected were—

Levy of 1889		$ 4 67
" 1890		61 55
" 1891		1,460 66
" 1892		10,605 80
" 1893		27,883 48
		$40,016 16
Total, City	$148,684 54	
" State	40,016 16	
	$188,700 70	

ANNEX DEPARTMENT,

21st and 22d Wards.

TABLE B.

Showing the percentage collected on the present Bases of 1889 to 1893 inclusive, from the dates of the respective Levies to December 31, 1893.

YEAR.	Present Basis.	Basis collected upon.	Per Cent.
1889	22,400,840	22,400,840	100.00
1890	23,492,041	23,376,404	99.50
1891	25,349,158	25,092,993	98.99
1892	27,535,626	26,311,572	95.55
1893	27,748,787	17,720,257	63.87

ANNUAL REPORT

OF THE

Inspector of Buildings,

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

OFFICE OF THE INSPECTOR OF BUILDINGS,
CITY HALL.

BALTIMORE, December 31st, 1893.

To the Honorable the Mayor
and City Council of Baltimore.:.

GENTLEMEN:

I have the honor to present for your consideration the following report of the operations of this department, for the year ending December 31st, 1893.

NEW SCHOOL HOUSES.

Since submitting my last annual report the following new school houses have been completed and accepted:

No. 1 English-German School, Pennsylvania avenue and Dolphin street; No. 3, Colored School, Hill street, between Hanover and Sharp streets; No. 8 Annex School, Francis street, near Clifton street.

A full description of these buildings was given in my last report.

No. 1, has sixteen class rooms, with separate cloak rooms to each, reception and teachers' rooms, wide corridors, and is well provided with exits and stairways. It is now occupied temporarily by the City College.

No. 3 has twenty class rooms, teachers' room, ample cloak rooms, three wide stairways, and abundant means of exit.

No. 8 has fourteen class rooms, with cloak rooms to each, teachers' and book rooms, three slate stairways, and wide corridors and entrances afford safe means of exit.

All these buildings are well lighted and ventilated, and all conveniences provided that the appropriations would admit.

Walbrook School, Ninth Street and Northwest Avenue.

Ordinance No. 36 directed the erection of this school house and appropriated $25,000 for the purpose. Plans were prepared and the contract awarded to Mr. James B. Yeatman. The building is now in course of erection, being ready for the first floor of joists. The drawings call for a house containing ten class rooms, two large cloak rooms, teachers', reception and book rooms. The Smead system furnishes heat, ventilation and closet accommodation. All the rooms are well lighted, and wide corridors, entrances, and fire-proof stairways afford abundant means of exit.

Western Female High School.

Plans, etc., have been prepared for this building, which will be situated on the southeast corner of McCulloh street and Lafayette avenue, and in a few days will be advertised for proposals. The design selected calls for a handsome Romanesque building,

three stories and basement; the basement to be granite, and the three upper stories sand-brick, with Seneca red stone and terra cotta trimmings. The building will contain sixteen large class rooms, two recitation rooms, library, chemical and physical labratories, drawing room, eight cloak rooms, two book rooms, large assembly room, gymnasium or examination room, and a room in tower; it will have four fire-proof stairways, broad halls and corridors, and five wide entrances. The heating, ventilating and closet arrangements is that known as the "Smead system." All necessary conveniences and accommodations will be furnished that the appropriation will allow. Ordinance No. 32 enjoined the erection of this building, and appropriated $100,000 for the purpose.

Additions to No. 9 Annex School, Calverton.

As directed by Resolution No. 34, an addition was made to this house, consisting of six large well lighted class rooms, three cloak rooms, and an additional stairway. Smead's warming, ventilating and closet system was adopted. Owing to the sudden death of the contractor, the late Mr. Murooney, the completion of this building has been delayed; but it will now be ready for acceptance in a few days. The amount of the appropriation was $11,000.

MORE LIBERAL APPROPRIATIONS AND LARGER BUILDINGS.

I beg respectfully to suggest to your Honorable Bodies the advisability of granting more liberal appropriations for the erection of our school buildings, so that larger houses can be built. The school houses lately have

been built in growing neighborhoods, where the population is rapidly increasing, and the consequence is that in a few years there is a demand for increased accommodations. During the last seven years eleven additions have been made to comparatively new schools; the cost of these is much higher proportionately than new buildings, and the arrangements cannot be as complete and satisfactory as if planned before the building was first erected.

Our school houses have recently been subjected to much criticism; but I have visited a great number of school houses in all parts of the Union, and I can confidently assert that ours are as strongly built, as well lighted and ventilated, and the sanitary arrangements as good as any I have seen, and a better class of buildings, for the money they cost, cannot be found in the United States than those we have recently built. I am free to admit that larger and more commodious fireproof buildings, with an assembly room in each are desirable, and if we could build them with a uniform outside finish on all sides, instead of embellishing the front only, it would add greatly to the symmetry and appearance of the buildings.

REPAIRS, &c., TO PUBLIC SCHOOLS.

The additional play-grounds purchased for No. 19, Park avenue, and No. 1, Pennsylvania avenue, have been graded, paved, and fences erected, and are found a very useful acquisition to these schools.

At No. 1 School, northeast corner of Greene and Fayette streets, the closets were rearranged and their sanitary condition greatly improved.

The fronts of the following school houses were oiled and penciled: No. 21, Pennsylvania avenue and Robert street; No. 14, Linden avenue; No. 6 Colored School, Barre street; No. 4, Sharp street; No. 29, Sharp street; No. 12, Ridgely street; and No. 17, Light street.

No. 3 English-German School, Baltimore street; No. 5, Broadway and Chew street; and No. 14, Linden avenue, were painted outside.

No. 13, Aisquith street, and No. 6 Colored School, Barre street, were painted inside,

No. 1, Druid Hill avenue; No. 18, Argyle avenue; and No. 18, Mulberry street, were painted inside and out.

No. 7, Waesche street, received a new sanitary closet.

No. 21, Gilmor and Presstman streets, had new treads and risers put to the stairs; two new windows placed in reception room, and eight new caps to the ventilators.

No. 8, Hollins street, a new side fence was erected and the yard repaved.

No. 1, Druid Hill avenue, several new floors were laid in this house and general repairs were executed.

No. 18, Argyle avenue, a new side entrance and steps were erected and several floors renewed.

Nos. 6, Division street, and 18, Mulberry street, had new floors laid and other necessary repairs done.

No. 3 Colored School, Fremont avenue. This house was overhauled and put in thorough repair; new joists and floors were laid; new shutters hung and new stairways erected.

Nos. 5 Colored School, Caroline street, and 8, Bond street, had new floors laid on the whole of the second stories.

Manual Training School had several new floors and a cement pavement laid in yard.

No. 20, Eden street, had a cement pavement laid to the entire cellar floor.

No. 13, Aisquith street, new partition to teachers' room and new cellar frames.

No. 4, Chase and McDonogh streets, had new treads and landings to stairways.

No. 5, Broadway and Chew street, had roof and spouts repaired.

No. 8, Caroline street, and No. 1 Colored School, East street, had new fences.

No. 16, Harford avenue, had new front doors.

No. 25, Bond street, the yard and part of the cellar were repaved.

No. 2, Charles and Ostend streets. On account of part of school yards being condemned for opening street, the fences were rebuilt, the yards repaved, and two closets rebuilt, as directed by Resolution No. 60.

No. 1, southwest corner of Greene and Fayette streets, had a new pavement laid and the fences repaired and painted.

Annex to No. 24 School, Chesapeake and Hudson streets; damages to this building caused by fire, December 2d, 1893, were repaired; they consisted of two flights of outside steps, new fence, plastering, new floor, joists and wainscoting.

The foregoing are some of the principal items, but all ordinary repairs incident to the wear and tear of school houses, and necessary for the perservation of the buildings, received prompt attention. On account of the severe winter the plumbing bills were very large; and the amount expended for the renewal of broken glass is a very serious item, amounting to thousands of dollars. In this connection, I consider it my duty to call your attention to the fact that a great portion of the glass broken in the school windows is wilfully done by the scholars, and to suggest that some method be adopted to repress these depredations, and to impress upon the children that their duty is to protect and not to destroy the school property.

AUXILIARY FIRE-ALARM BOXES.

The introduction of these boxes into our school houses has proved very satisfactory; it is a safeguard now adopted in all schools in the larger cities.

ENGINE HOUSES.

Engine House No. 17, *Fort Avenue and Haubert Street.*

In accordance with Ordinance No. 44, designs were submitted and plans made for this house; proposals were advertised for and received, but the lowest bidder was much above the appropriation, the amount of which was $10,000. The Board of Fire Commissioners deemed it unwise to reduce the size of the proposed building, in which opinion I fully concur.

A resolution asking for an additional appropriation will, I understand, be presented to your honorable bodies, and I respectfully ask a favorable consideration.

No. 6 Engine House, a new floor was laid; a new roof on the tower; the bed-room was newly papered, and the house generally repaired.

No. 5 Truck House had an entire new floor laid.

No. 4 Engine House, a portion of the flooring was renewed, and a new sanitary closet put in.

No. 4 Truck House, an entirely new floor of cement and wood was laid in this house.

No. 6 Truck House had new front doors.

No. 14 Engine House. On account of adjoining building operations we were compelled to underpin the side wall of this house; the alley in rear was repaved.

No. 5 Engine House, Ann street, had a new skylight put in.

Nos. 11, 12 and 13 Engine Houses. The stalls in all these houses we rearranged so that the horses may stand by the side of the apparatus. No. 11 had a new cement floor and iron stairway. No. 12 had a drain pipe laid several hundred feet, which has rid the house of a long standing nuisance.

At all other engine and truck houses the necessary repairs have received attention. We are indebted to the Board of Fire Commissioners for valuable aid and assistance rendered by Chief Ledden and his staff in keeping the houses in repair.

MARKET HOUSES.

Richmond Market.

The sheds of this market were extended over the vacant spaces on the market lot, as directed by Resolution No. 29, which appropriated $3,300 for the purpose. This has made a great improvement in the convenience as well as the appearance of the market, and has given general satisfaction to the stall owners.

The whole of the market sheds have been kept in good repair, and whitewashed where necessary.

CITY HALL.

The exterior of this building has been painted thoroughly and several rooms were also painted and frescoed; the heating apparatus was repaired and put in good condition, and the elevator kept in working order.

I respectfully recommend that the interior of the City Hall be regrained and varnished. An approximate estimate of this work will be found in Table C.

COURT HOUSES.

On account of the proposed removal of the court houses, repairs were done only when actually necessary. Three rooms were fitted up and furnished for the use of the judges and juries; storm doors were placed at the entrance to office of the City Court.

Resolution No. 5, directing the renting and fitting up of a room for the use of the Record office, appropriated $1,200 for the purpose. This work was done under the direction of Mr. James Bond, clerk of the Court.

CITY JAIL.

Materials were furnished and repairs executed to the Jail buildings, as directed by Warden Daniel Constantine.

On account of the fire which occurred October 13th, 1893, it became necessary to put on a temporary roof, and to repair and renew other work damaged by the fire in the south wing of the Jail. The unpaid bills for this work amount to $7,962.40. The lowest bid received for the new iron roof is $9,175; making a total of $17,137.40.

A resolution was passed appropriating $18,000 to repair damages and put on a new iron roof.

FIFTH REGIMENT ARMORY.

Resolution No. 194 directed an addition to be made to this building. This has been done to the satisfaction of Colonel Boykin and the officers of the regiment. It consists of a frame structure, supported on the market house roof, and containing three large communicating rooms.

CEILINGS OF SCHOOL HOUSES.

The amount appropriated for this work was expended in replacing dangerous plaster ceilings with wood or iron.

MORGUE.

An extension was made to the mortuary of this building, which has doubled its capacity. Resolution No. 96 directed this addition to be made, and appropriated $1,200 for the purpose. The addition will be a valuable aid to the usefulness of this institution.

DISINFECTING HOUSE AND PLANT AT QUARANTINE HOSPITAL.

Plans, etc., were prepared for this builning and plant under the direction of Health Commissioner Dr. McShane and Dr. Heiskel. Proposals were advertised for and received, and the work will commence shortly.

Ordinance No. 122 and Resolution No. 10 directed this work to be done, and appropriated $11,000 for the purpose.

DOG POUND.

A new fence was erected, the buildings whitewashed, and all necessary repairs were executed.

CESSPOOLS.

The cesspools to all engine and school houses were kept clean during the year.

CITY PROPERTY, ANNEX.

No. 7 School House, Woodberry, yard was paved and a portion of the house painted on the inside.

No. 2 School House Waverly, received a new front pavement, and a portion of the yard was also paved.

No. 1 Colored School, Merryman's lane, new entrances were constructed, and a new front fence erected.

No. 3 School House, Oak street, had a new fence and the yard paved.

No. 11 School House, Millington avenue, a new fence was erected and the sidewalk paved.

No. 10 School House, Old Frederick road, had a new fence erected.

No. 18 Engine House, Twenty-second street, several windows were placed in the upper part of tower to enable the firemen to practice the fire drill. Gas fixtures were also furnished to this house.

No. 5 Engine House, Gorsuch avenue, had new front doors; gas was introduced and fixtures furnished, and a new tin roof put on the shed.

No. 1 Engine House, Bruuswick street, received a new cement floor.

No. 4 Engine House, Waverly, had a new tin roof put on.

No. 6 Engine House, Belair road, had a new roof on shed and the main roof repaired.

FIRE ESCAPES, DANGEROUS WALLS, ETC.

During the year I have examined and condemned, or ordered to be made secure, about 160 dangerous walls, 240 chimneys, cornices, spouting, etc. I have also ordered to be erected twenty-one fire escapes, and have issued 140 notices to builders who were violating the building laws.

TABLES.

In submitting the following tables, it is gratifying to report an increase in the revenues of this office, as shown in Table B. The amount this year is larger than any previous year, and I am proud to say that during the nine years that I have been connected with this department there has been an increase in the revenues, compared with the previous nine years of $18,653.80, notwithstanding several sources of revenue have been abolished; also that during the same years the decrease in expenditure for the repairs of schools and engine

houses, and the cleaning of cesspools, compared with the previous nine years, has been $75,157.27. This saving to the city has been effected by a regular supervision of all work done, and by adopting business methods in dealing with all. And although the houses are growing older, and consequently need more repairs, and their number greatly increased, they are now in as good repair as at any previous time.

The tables will show as follows:

A. The amount of appropriations and disbursements of this department during the year 1893.

B. The revenues of this office for the same period.

C. The estimates for the amounts required for this department for the year 1894.

To all which I beg respectfully to call your attention.

J. THEODORE OSTER,

Inspector of Buildings.

TABLE A.

Showing the amount appropriated and disbursed for the year 1893.

	Appropriated	Expended.	Balance.
Repairs of public schools	$15,000 00	$14,934 44	$65 56
Repairs of city property	21,000 00	20,996 55	3 45
Emptying cesspools	1,000 00	648 60	351 40
City property, Annex	6,000 00	5,258 72	741 28
Incidentals	200 00	200 00	.....
Livery	600 00	600 00	.....
Salaries	5,500 00	5,500 00	.....
Sanitary and other improvements	4,000 00	3,998 37	1 63
Outdoor extra help	3,720 00	3,720 00	.....
Wood and iron ceilings in school houses	3,000 00	2,033 20	966 80
Painting schools	4,000 00	4,000 00	.....
Building No. 3 Colored School	10,100 00	9,786 09	313 91
Building Eng.-Ger. School No. 1	3,000 00	2,832 67	167 33
Building No. 8 Annex School	14,077 25	13,785 50	291 75
Extension 5th Regiment Armory	4,500 00	4,500 00	.....
Additional story English-German School No. 1	8,000 00	100 00	7,900 00
Extra help, Annex	1,240 00	1,240 00	.....
Livery, Annex	300 00	300 00	.....
Fitting up room English-German School No. 1	350 00	265 00	85 00
Rental of room, &c., Clerk of the Superior Court	1,200 00	1,152 15	47 85
Smead System No. 9 Annex School	2,000 00	.....	2,000 00
Additional to No. 9 Annex School	9,000 00	6,110 66	2,889 34
Extension to Richmond Mk't shed	3,300 00	3,300 00	.....
Improvements water closet No. 2 School	1,000 00	1,000 00	.....
Addition City Morgue	1,200 00	1,200 00	.....
Painting exterior City Hall	907 97	907 97	.....
Painting interior City Hall	1,092 03	1,029 85	62 18
Rental Auxiliary Fire Alarm Boxes in schools	4,200 00	4,200 00	.....
Winding clocks, engine houses	200 00	200 00	.....
Repairing buildings at Quarantine	1,500 00	1,500 00	.....
Grading, paving and fencing yards No. 19 and English-German Schools No. 1	2,600 00	2,600 00	.....
Amounts carried forward	$133,787 25	$117,899 77	$15,887 48

TABLE A—Concluded.

	Appropriated	Expended.	Balance.
Amounts brought forward.....	$133,787 25	$117,899 77	$15,887 48
Building engine house, corner Fort Avenue and Haubert Street.....	10,000 00	8 12	9,991 88
Smead System No. 8 Annex School	3,344 00	3,344 00	....
Purchase of lot and building Male and Female Grammar and Primary School, Annex.....	25,000 00	607 23	24,392 77
Building Western Female High School.....	100,000 00	....	100,000 00
Building disinfecting plant at the Quarantine Hospital.....	11,000 00	175 65	10,824 35
Cement floor basement of No. 20 School.....	1,000 00	892 52	107 48
Totals.....	$248,131 25	$122,927 29	$161,203 96

TABLE B.

Showing the Revenues of this Office for the Year 1893.

Permits issued as follows:		
For bay-windows on front and side	$2,119 75	
For frame sheds and bay-windows in rear	3,095 95	
For frame bath-rooms	1,408 00	
For vaults and areas	1,995 49	
For tapping sewers	120 00	
Amount received for old material	11 75	
		$8,750 94
Amount received for advertising permits	$745 00	
Paid for same	406 93	
		338 07
Net revenue		$9,089 01

TABLE C.

Showing the Amount Required for this Department for the Year 1894.

For the repairs of City Property:		
For engine houses	$14,000 00	
For City Jail	3,000 00	
For City Hall	4,000 00	
For market houses	5,000 00	
For court houses	4,000 00	
For Dog Pound and other property	1,000 00	
		$31,000 00
For repairs of public schools:		
For general repairs	$15,000 00	
For painting school houses	6,000 00	
For partitions and storm doors	1,000 00	
For substituting wood or iron for plastered ceilings	3,000 00	
		$25,000 00
For sanitary and other improvements		4,000 00
For emptying cesspools		1,000 00
For incidentals		100 00
For livery of two horses and repair to wagons		600 00
For salaries		5,500 00
For extra outdoor help		3,720 00
For rental of auxiliary fire-alarm boxes		4,200 00
Amount carried forward		$75,120 00

TABLE C—Concluded.

Amount brought forward....	$75,120 00
For winding clocks at engine houses.....	200 00
For painting and repairing buildings at Quarantine Hospital..	1,500 00
For extra help, Annex.....	1,240 00
For livery and repair to wagon, Annex	300 00
For repair to city property, Annex.....	8,000 00
For Smead system in Walbrook School.....	2,934 00
For Smead system No. 9 Annex School.....	2,000 00
For building disinfecting plant at Quarantine Hospital.....	10,824 35
For building No. 17 Engine House, corner Fort avenue and Haubert street.....	14,000 00
For painting and graining interior of City Hall.....	7,000 00
	$123,118 35

ANNUAL REPORT

OF THE

Judges of the Appeal Tax Court

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

APPEAL TAX COURT—CITY HALL,

BALTIMORE, January 1st, 1894.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN :

We beg leave herewith to submit the result of the labor of this department for the year ending on the 31st day of December, 1893.

Tabular Statement "A" shows the taxable basis charged to the City Collector for the years 1890 to 1893, both inclusive, with the assessments added to each, and the collection and abatement made on each.

Table "B" exhibits by wards, the number of building permits issued during the year.

Table "C," the Assessors' report, shows the number of new buildings and additional improvements assessed by the Court's Assessor, the wards in which they are severally located, and the detailed and aggregate valuation of the same.

Following these tables will be found the reports respectively of the Assessors for Real Estate and the Bailiffs.

TABLE A.

Statement of Property for Each Year Charged to the City Collector December 31st, 1893.

1893.	1890.	*Real.*	*Personal.*
Jan. 1.	To amount of assessment remaining unpaid January 1st, 1893....	$885,008	$1,194,382

1893.	1890.	*Real.*	*Personal.*
Jan. 31.	By abatements....		$ 138,879
Mar. 1.	" "		78,275
April 1.	" "		110,879
May 31.	" "	$ 150	13,716
June 30.	" "		5,775
July 31.	" "		16,900
Aug. 31.	" "	400	27,952
Sept. 27.	" "	750	229,281
Oct. 31.	" "		132,029
Nov. 29.	" "		21,039
Dec. 30.	" "		10,421
" "	By amount collected during 1893..	865,805	323,027
" "	By amount remaining uncollected..	17,903	86,209
		$885,008	$1,194,382

TABLE A—Continued.

1893.	1891.	*Real.*	*Personal.*
Jan. 1.	To amount of assessment remaining unpaid January 1st, 1893....	$10,192,640	$4,311,542
1893.	1891.		
Jan. 1.	By abatements....		$452,184
Mar. 1.	" "		287,384
April 1.	" "	$ 500	254,995
May 31.	" "	6,150	22,309
June 30.	" "		6,885
July 31.	" "		103,940
Aug. 31.	" "	5,950	36,817
Sept. 27.	" "	1,373	241,158
Oct. 31.	" "	9,350	256,978
Nov. 29.	" "	100	37,494
Dec. 30.	" "		3,514
" "	By amount collected during 1893..	8,972,022	1,064,311
" "	By amount remaining uncollected..	1,207,195	1,543,573
		$10,192,640	$4,311,542

TABLE A—Continued.

1893.	1892.	*Real.*	*Personal.*
Jan. 1.	To amount of assessment remaining unpaid January 1st, 1893....	$63,219,659	$13,698,903
Mar. 1.	To amount of new assessment.....	4,000	59,321
April 1.	To amount of new assessment.....	400	97,880
May 31.	To amount of new assessment.....	300	40,660
		$63,224,359	$13,896,764

TABLE A—Continued.

1893.	1892.	*Real.*	*Personal.*
Jan. 1.	By abatements....	$40,925	$1,425,101
Mar. 1.	" "	9,237	323,445
April 1.	" "	500	338,924
May 1.	" "	33,744	114,150
June 30.	" "	33,973	16,800
July 31.	" "	19,362	129,513
Aug. 31.	" "	14,208	118,872
Sept. 27.	" "	5,400	251,406
Oct. 31.	" "	10,015	254,235
Nov. 29.	" "	100	67,689
Dec. 30.	" "		11,869
" "	By exemption plant.	590,219	1,537,061
" "	By amount collected during 1893.....	50,824,373	5,925,630
" "	By amount remaining uncollected..	11,642,303	3,382,069
		$63,224,359	$13,896,764

TABLE A—Continued.

1893.	1893.	*Real.*	*Personal.*
April 17.	To amount of assessment remaining part of basis of 1892.....	$212,615,975	$38,117,214
May. 17.	To amount of assessment, judgments of Superior Court		154,970
" "	To amount of assessment, judgments City Court.		213,415
" "	To amount of assessment, judgments Common Pleas Court.....		25,394
" "	To amount of new assessment.....	4,861,224	5,610,519
June 1.	To amount of new assessment.....	7,735	305,377
" 30.	To amount of new assessment.....	40,000	43,047
Sept. 27.	To amount of new assessment.....	6,000	802,406
Dec. 30.	To amount of new assessment.....	2,825	336,715
" "	To amount of new assessment, Incorporated Companies.....		30,946,994
		$217,533,759	$76,556,051

TABLE A—Continued.

1893.	1893.	*Real.*	*Personal.*
May 31.	By abatements ...	$599,161	$1,007,300
June 30.	" "	191,916	226,926
July 31.	" "	71,085	185,487
Aug. 31.	" "	54,177	136,934
Sept. 27.	" "	11,615	275,273
Oct. 31.	" "	84,501	429,029
Nov. 29.	" "	26,367	280,958
Dec. 30.	" "	16,336	183,632
" "	By amount collected during 1893.....	144,708,269	56,725,026
" "	By amount remaining uncollected..	71,770,332	17,105,486
		$217,533,759	$76,556,051

RECAPITULATION.

Amount for Different Years that is Charged to the City Collector, January 1st, 1894.

1890—Real	$ 17,903	
Personal	86,209	
		$104,112
1891—Real	1,207,195	
Personal	1,543,573	
		2,750,768
1892—Real	11,642,303	
Personal	3,382,069	
		15,024,372
1893—Real	71,770,332	
Personal	17,105,486	
		88,875,818
		$106,755,070
Less amount of plant, 1893		1,422,534
		$105,332,536
Amount of exemption of plant of Incorporated Companies.		$2,652,290

TABLE B.

The Number of Permits Issued from January 1st, 1893, to December 31st, 1893, for New Buildings and Improvements were:

Wards.	New Improvements.	Additional Improvements.	Total.
1	237	65	302
2	4	8	12
3	3	22	25
4	4	11	15
5	17	10	27
6	8	21	29
7	358	75	433
8	161	23	184
9	15	22	37
10	10	23	33
11	3	27	30
12	162	16	178
13	4	14	18
14	3	20	23
15	5	20	25
16	34	17	51
17	123	40	163
18	170	44	214
19	343	35	378
20	59	19	78
	1,723	532	2,255
21	393	151	544
22	271	108	379
	664	259	923

To the Honorable the Judges
of the Appeal Tax Court:

GENTLEMEN:

I most respectfully submit the following as my report for the year ending December 31st, 1893, of the number of new and additional improvements, the several wards in which they are located, and assessed value of the same.

TABLE C.

Wards.	New Improvements.	Additional Improvements.	Value.
1	218	50	$211,850
2	4	9	8,250
3	3	14	5,850
4	5	5	88,200
5	8	10	15,000
6	3	16	13,400
7	337	45	353,050
8	118	14	225,650
9	11	7	1,076,700
10	12	11	420,500
11		18	50,000
12	108	13	261,200
13	5	10	9,200
14	4	12	25,400
15	8	9	35,750
16	8	13	61,575
17	161	39	134,700
18	116	6	158,400
19	183	24	175,450
20	7	11	12,150
Totals...	1,322	336	$3,342,275

Very respectfully,

JOSHUA D. TAYLOR,

Assessor of New Property.

CITY COLLECTOR'S OFFICE—CITY HALL,

BALTIMORE, January 6th, 1894.

To the Honorable the Judges
of the Appeal Tax Court:

GENTLEMEN:

The undersigned reports the Bailiffs' Department as having made assessments of personal property to March 1st, 1893, of the following amount: Four million two hundred and thirty-two thousand and thirty-six dollars ($4,232,036).

Respectfully submitted,

P. SCANLAN,

Bailiff.

PLANT.

The exemption from city taxes for plant in 1893 aggregate a total of $1,422,534 to individuals, and exemption to incorporated companies, $2,652,290; total $4,074,824.

REFUNDS.

From January 1st, 1893, to January 1st, 1894, there have been one hundred and five (105) orders for refunding of taxes given generally to parties who have paid in error, either as double payments or on wrong property, or have paid on old improvements torn down, as well as on the new improvements.

TRANSFERS.

From January 3d, 1893, to February 15th, 1893.	2,189
From May 18th, 1893, to December 31st, 1893...	5,231
Total	7,420

We refer most respectfully to the following report of the Chief Assessor, Mr. William J. King:

BALTIMORE, January 2d, 1894.

To the Honorable the Judges
of the Appeal Tax Court:

GENTLEMEN:

The undersigned, Chief of the Board of Assessors of your Honorable Court, by virtue of Ordinance No. 63, approved March 30th, 1893, respectfully report that since the organization of this Board, on the first day of April, 1893, there has been a large amount of work done, as will appear by the report of the four Assessors under my supervision.

They have recommended assessments, to wit: On 3,948 improved lots of ground, and, as they say, a great number of unimproved lots that were assessed by the acre or at a nominal sum per front foot.

The assessment thus recommended to be made require that each owner be served with a notice of not less than five days to appear before your Honorable Court and answer the interrogatories as to the value of their real estate thus reassessed.

They are now engaged in delivering about 4,000 such notices.

The result of the reassessment made will, no doubt, yield quite a large addition to the taxable basis of the city for 1894.

Much more could have been accomplished with a larger force of assessors. I am sure it will not meet the requirements of the city, or be equitable to the general taxpayers, unless an entire new assessment is made.

This Board, in addition to the large number of assessments of real estate, examined the improvements and reported to your Honorable Court such recommendations as seemed to them just on 628 improvements contained in 490 appeals.

There has also been delivered from April 1st to 30th December, 1893, 130 notices or summons to executors, administrators and trustees.

The undersigned has been present in your Honorable Court when appeals were heard and new assessments made, as required by the ordinance heretofore referred to, and have presented from recent sales of property, as taken from the records of the Superior Court, etc., evidence to sustain the assessments made, to assist you in determining the correctness, or otherwise, of the assessments above referred to.

Respectfully submitted,

WILLIAM J. KING,

Chief Assessor.

FRANCIS X. JENKINS, *Clerk.*

BALTIMORE, January 9th, 1894.

To the Honorable the Judges
of the Appeal Tax Court:

GENTLEMEN:

I have the honor to submit for your consideration the Assessors' report on appeals filed for abatements on real estate for the year ending December 31st, 1893.

From the report of the Assessors there were 100 appeals to your Honorable Body for further relief.

Abatements recommended by the Assessors on these appeals amounted to $14,550. Additional abatements allowed by the Court upon the same amounted to $19,600, making a total of $34,150, which is included in the amount abated in the accompanying statistics.

Respectfully submitted,

WILLIAM J. KING,

Chief Assessor.

FRANCIS X. JENKINS, *Clerk.*

Wards.	No. of Appeals.	No. Dismissed.	No. Granted.	Amount Abated.
1....	27....	14....	13....	$ 3,200
2....	8....	2....	6....	1,600
3....	22....	12....	10....	2,500
4....	10....	5....	5....	3,000
5....	42....	17....	25....	10,775
6....	23....	11....	12....	4,250
7....	24....	17....	7....	1,590
8....	21....	7....	14....	6,150
9....	23 ...	16....	7...	9,869
10....	9....	5 ...	4...	2,550
11....	11....	6....	5....	3,000
12....	50....	34....	16....	10,000
13....	10....	3....	7....	2,400
14....	21....	7....	14....	5,000
15....	15....	6....	9....	5,150
16....	23....	8....	15....	3,800
17....	5....	3....	2....	400
18....	30....	22....	8....	16,475
19....	94....	56....	38....	17,145
20 ...	22....	5....	17....	6,500
	490	256	234	$115,354

Respectfully submitted,

WILLIAM J. KING,

Chief Assessor.

FRANCIS X. JENKINS, *Clerk.*

The Court, being fully impressed with the imperative necessity of the passage of an Assessment bill by the General Assembly now in session, would most earnestly urge early and speedy action thereon, whereby the owners of all taxable property shall be assessed and made to bear their just proportion of the public debt.

It is now eighteen years since a general assessment was made, and from the innumerable changes that have taken place since, notably that of the very apparent change in values, so clearly demonstrated throughout the city, and attested by the very many inequalities now existing on the books of the Tax Department, this should, by all means, be corrected, and in the opinion of this Court, the best remedy that can be applied is that of a new assessment.

Respectfully submitted,

WM. H. B. FUSSELBAUGH,
E. J. CHAISTY, JR.,
E. T. JOYCE,
Judges of Appeal Tax Court.

THOMAS K. MCCORMICK, *Chief Clerk*,
MICHAEL H. DOYLE, *Assistant Clerk*.

ANNUAL REPORT

—OF THE—

CITY COMPTROLLER

—TO THE—

MAYOR AND CITY COUNCIL OF BALTIMORE,

—FOR THE—

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

DEPARTMENT OF THE CITY COMPTROLLER,

BALTIMORE, January 1st, 1894.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

I have the honor of presenting herewith the report of the City Comptroller's department for the year ending December 31st, 1893.

STATEMENT OF RECEIPTS.

From the City Collector, on account of the tax levy for 1893	$3,122,216 03	
From the City Collector, on account of taxes in arrears.	1,059,665 94	
From the City Collector, on account of interest on taxes in arrears.	24,349 52	
From the City Collector, on account of opening and closing streets and alleys.	105,296 42	
		$4,311,527 91
From market rents and licenses		51,384 00
" rent of public halls		429 00
" wharfage by Harbor Masters		32,450 81
" Park Board, account of the several parks		217,269 64

From the Jail Visitors, for board of U. S. prisoners, &c		$ 7,236	21
"	County Commissioners of several counties, for cases removed and tried in the City courts	1,135	20
"	the Water Board, for rents, &c	771,634	12
"	the Pound Master, from the sale of dogs	321	82
"	ground rents due by sundry parties	189	33
"	Trustees of Bayview Asylum, for board of inmates, &c	1,617	16
"	the Health Department, from sale virus	7	00
"	Quarantine Hospital fees	7,975	08
"	Commissioner of Street Cleaning, from sale of dirt, &c	784	20
"	the Park Board, account of Patterson Park extension	1	70
"	the Park Board, account of Harlem Park	3,998	30
"	the Park Board, account of Eutaw Squares, 1st division	1,779	19
"	the Park Board, account of Eutaw Squares, 2d division	1,742	06
"	the Park Board, account of Madison Square	1,997	68
"	the Park Board, account of Lafayette Square	3,398	51
"	the Park Board, account of Perkin's Spring Square	1,000	00
"	the Park Board, account of Union Square	1,059	95

From the Park Board, account of Fulton Avenue and Baker Circle	$ 3,586	22
" the Park Board, account of Broadway Squares, 1st division	1,771	34
" the Park Board, account of Broadway Squares, 2d division	1,800	00
" the Park Board, account of Broadway Squares, 3d division	1,998	92
" the Park Board, account of Franklin Square	1,346	17
" the Park Board, account of Mount Vernon Squares	1,700	00
" the Park Board, account of Park Place Squares	730	88
" the Park Board, account of Ashland Square	124	81
" the Park Board, account of Mount Royal Avenue Squares	2,986	13
" the Park Board, account of Eutaw fountain	1,500	00
" the Park Board, account of Jackson Square	874	34
" the Park Board, account of Taney Place Square	299	13
" the Park Board, accounts of Wilkens Avenue Squares	1,616	44
" sundry parties, for injury to street lamps	220	20
" permits and advertising, for erecting sheds, &c	9,495	94
" the City Commissioner, for repairs of bridges	9	67
" the City Commissioner, for repairs of paved streets	58	30

From the City Commissioner, for repairs of sewers	$ 3,920	40
" the City Commissioner, for shelling East Monument street, &c		20
" the sale of tickets for transportation of poor	72	16
" auctioneers, for State tax on sales	7,252	45
" the City Librarian, for sale of Codes and Ordinances	88	86
" Superintendent of City and Circuit Court, sale of old material	5	00
" licenses, for wagons, carts, billiards, &c	57,696	40
" the Fire Commissioners, for sale of refuse	322	82
" magistrates, for violation of City ordinances	12,938	77
" City Commissioner, for account of advertising	233	94
" the Liquor License Commissioners	47	50
" the City Commissioner, sale old material 1928 loan	1,534	83
" sale of public improvement 1940 stock	1,759,438	75
" the Topographical Survey Commission	10	00
" the City Commissioner, sale old material 1940 loan	3,413	96
" the City Commissioner, account repairs streets, &c., (Annex)	99	50
" the City Commissioner, account repairing Third avenue	1	50
" the State Treasurer, for liquor licenses	390,137	89

From sundry parties, difference in board of insane patients	$	1,545 00
" State tax on City loans		6,676 13
" the inspection of gas meters		2,306 75
" the sale of property owned by the City		873 54
" the Commissioners of Finance, for Enoch Pratt Free Library		12,500 00
" direct tax in the Annex		144,756 43
" interest in the Annex		3,928 11
" the Park Board, interest on public park loan		8,000 00
" the Water Board, interest on water loans		512,630 00
" the Western Maryland Railroad, interest on loans		41,370 00
" the Commissioners of Finance		80,820 00
" tax sales for the redemption of property previously sold for taxes		2,539 62
" the Commissioners of Finance, for purchase of land for park purposes		41,589 87
" conscience fund		80 00
" City Register, account unclaimed damages		10 00
" Bolton property		139,936 04
" W. L. Marbury, trustee, &c.		35 15
" sundry parties, account temporary loans		2,073,211 33
" rent of Imperial Hotel		2,437 50
" the Chesapeake and Potomac Telephone Company, on account of conduits		4,635 80

From wharfage, sixth district	$	100 00
" rent of Court House property		20 00
" turnpike dividends		157 61
" City seals		16 50
" State of Maryland, for City's proportion of public school tax		213,941 58
" the Secretary of School Board, for use of books, &c		3,456 50
" J. F. Plummer, interest on legacy to public schools		114 50
" damages and expenses for opening, closing and paving streets and alleys		38,131 65
" City's deposits in various banks, &c.		3,449 11
Balance in hands of the City Register January 1, 1893		263,040 48
		$11,288,581 49

STATEMENT OF DISBURSEMENTS.

For cleaning and repairs of markets	$	4,617 20
" cleaning and repairs of public halls		153 48
" Criminal Court		72,436 07
" Superior Court		15,045 50
" Baltimore City Court		12,209 40
" Court Common Pleas		13,501 45
" Circuit Court		4,404 05
" Circuit Court No. 2		2,425 00
" Orphans' Court		7,863 10
" Magistrates		15,730 41
" Judgments and suits		8,777 47
" Police Department		830,934 16

For expenses of the Supervisors of Elections	$	12,982 34
" registration		28,607 15
" expenses and incidentals of the City Council		59,071 00
" expenses of the Jail		51,213 41
" Public Schools, salaries & incidentals.		933,676 63
" Water Board		898,083 06
" ground rents due by the City		43,870 18
" the Dog Pound		1,000 00
" interest on loans and discount on taxes		140,410 99
" Park Board		218,953 37
" Patterson Park extension		16,271 28
" Harlem Park		3,996 94
" Eutaw Square, 1st division		1,800 00
" Eutaw Square, 2d division		1,800 00
" Madison Square		1,863 48
" Lafayette Square		3,444 99
" Perkin's Spring Square		1,000 00
" Union Square		1,143 69
" Fulton Avenue Squares and Baker Circle		3,583 22
" Broadway Squares, 1st division		1,999 93
" Broadway Squares, 2d division		1,799 95
" Broadway Squares, 3d division		2,000 00
" Franklin Square		1,500 00
" Bayview Asylum		97,297 36
" Health, salaries		39,200 00
" Health, general		13,258 61
" nuisances		15,825 90
" Quarantine Hospital		20,578 72
" cleaning streets		287,205 21
" harbor		49,747 66

For Ice-boat "F. C. Latrobe"	$ 19,000 00
" repairs of wharves	3,000 00
" removing ashes from tow-boats	1,147 78
" repairs to tug "Hygeia"	3,000 00
" widening mouth of the harbor	10,000 00
" City Collector, expenses of office	57,133 23
" Appeal Tax Court	387 81
" gas	140,000 00
" electric lights	121,176 79
" gasoline	6,817 13
" lamplighters, salaries	47,431 70
" Inspector of Buildings	6,300 00
" repairs of Public Schools	14,934 44
" repairs of City property	20,996 55
" permits for sheds, &c	406 93
" cleaning cesspools	648 60
" extension 5th Regiment Armory	4,500 00
" building Colored School No. 3	9,786 09
" sanitary and other improvements	3,998 37
" extra help, Inspector of Buildings	3,720 00
" rent of room, &c., Clerk Superior Court	1,152 15
" painting exterior of City Hall	907 97
" " interior " "	1,029 85
" " school houses	4,000 00
" wood or iron ceilings	2,033 20
" rental of auxiliary fire-alarm boxes	4,200 00
" winding clocks in engine houses	200 00
" repairing building at Quarantine	1,500 00
" grading and paving yard No. 19, and English-German School No. 1	2,600 00
" building English-German School No. 1	2,832 67
" fitting up room in English-German School No. 1	265 00

For additional story to English-German School No. 1	$ 100	00
" cement floor, basement No. 20 Grammar School	892	52
" building disinfecting plant at Quarantine	175	65
" extension of Richmond Market	3,300	00
" improvement, water-closet at No. 2 School	1,000	00
" purchase of lot and building, No. 4 Colored School	15,000	00
" building engine house, Haubert street and Fort avenue	8	12
" building addition to Morgue	1,200	00
" purchase of lot and building Western Female High School	30,669	66
" repairs paved streets	91,920	16
" repairs bridges	6,192	72
" repairs sewers	7,429	06
" Light Street bridge	7,228	13
" salaries of the City Commissioner's office	10,605	40
" flag and stepping stones	7,998	44
" cross streets	4,938	62
" repairs unpaved streets	1,998	59
" improvement Harford Run	1,858	56
" Preston Street sewer	1,107	25
" paving streets around Southern Police Station	259	01
" Presbury Street sewer	10,026	19
" Fremont Street sewer (five million loan)	12,089	79
" Carey Street relief sewer	44,404	98

For Read Street sewer	$ 1,432	54
" Eden Street sewer	1,063	49
" Druid Hill Avenue sewer	78,032	72
" Bush Street sewer	124,927	37
" repairing sidewalk, Union Square	1,017	53
" Pulaski Street sewer	1,324	96
" building North Avenue bridge	104,018	50
" building Douglas Street bridge	13,925	74
" building Baltimore Street bridge	33,076	55
" paving City property	598	98
" Pulaski and Franklin Street sewer	21	67
" Hoffman Street sewer	6,159	56
" Hoffman Street sewer (special)	400	40
" iron plates at various places	1,177	76
" flag-stones Cathedral and Centre streets	2,052	44
" inlets Caroline and Madison streets	1,193	56
" inlets Hillen and East streets	670	63
" inlets German and Arch streets	1,012	12
" iron plates Pratt and Eden streets	10	00
" Fulton Avenue and Eagle Street sewer	69	83
" inlets Baltimore and Wolfe streets	664	21
" inlets Central avenue and High alley	55	30
" paving streets around Hanover Market	1,126	72
" inlets McHenry and Pulaski streets	104	11
" Penn Street sewer	26,182	30
" bulkhead Ferry Point road	2,225	00
" inlets Schroeder's Run	486	12
" inlets Central avenue and McElderry street	105	05
" inlets Hanover and Cross streets	542	74

For inlets Lexington and Park streets...	$ 904	90
" trapping inlets Calhoun Street sewer.	50	71
" repairing Druid Hill avenue.....	305	23
" inlets Barnes and other streets.....	276	60
" inlets Druid Hill avenue and Presstman street.....	1,344	85
" inlets Arch and Raborg streets.....	188	24
" repairing Madison street	599	15
" Ann and Gay street sewer.....	58	50
" inlets Centre and North streets.....	995	81
" inlets McHenry street.....	616	81
" kerbing Park avenue.....	79	13
" paving streets around Hanover Market (special).....	364	40
" shelling East Baltimore street.....	466	66
" shelling Point lane	29	33
" Patapsco street sewer.....	17,113	85
" shelling East Monument and Fayette streets	1,500	20
" inlets Hamburg and Paca streets....	797	01
" grading Lanvale and other streets...	1,342	46
" iron plates Lombard and Paca streets	1,595	79
" Monroe street sewer	7,954	76
" Mayoralty.....	2,663	19
" transportation of poor	973	44
" Superintendent City Hall	16,526	69
" City Librarian	9,798	40
" refunded taxes.....	3,165	10
" expenses of Court House and Record Office	5,913	63
" expenses of City and Circuit Court building.....	3,614	29
" general license.....	910	74

For general expense	$ 1,401	71
" expenses of the Fire Department	349,037	19
" fire alarm boxes at various places	2,395	41
" keyless doors on fire alarm boxes	1,000	00
" lot for new Hook and Ladder Company	5,000	00
" fines remitted by the Mayor	933	50
" public printing	1,533	92
" Liquor License Commission	14,940	87
" building Ramsay Street bridge	27,695	50
" iron plates, Central avenue and Eager street	1,279	32
" stone crusher	2,484	98
" inlets, Adams alley	344	65
" iron plates, Eastern avenue and Ann street	1,593	11
" Federal Street sewer	13,233	10
" Fremont Street sewer (six million loan)	150	00
" straightening Eutaw street	1,195	00
" Charles Street sewer	2,188	64
" iron plates, Pratt and Gilmor streets.	641	64
" drain pipe, Battery avenue	500	09
" diverting flow of water from Linden avenue	1,123	88
" regrading Lexington street	352	80
" West Street sewer	3,555	46
" shelling Ferry Point road	2,491	61
" building Maryland Avenue bridge	394	11
" iron plates, Chesapeake and Dillon streets	1,469	13
" iron plates, Dillon and Canton streets.	823	36
" iron plates, Central avenue and Jefferson street	1,300	43
" Race Street sewer	1,554	70

For Union Avenue sewer	$ 12,284	28
" building Edmondson Avenue bridge	162	00
" building Monroe Street bridge	20	00
" Topographical Survey	40,419	71
" electric lights, Annex	481	70
" gas, Annex	17,908	60
" gasoline, Annex	6,119	35
" lamplighters' salaries, Annex	13,633	14
" Fire Department, Annex	35,802	46
" cleaning streets, Annex	22,914	48
" nuisances, Annex	2,274	69
" repairs streets, &c., Annex	30,427	99
" health, salaries, Annex	3,799	80
" public schools, Annex	119,999	68
" repairs City property, Annex	5,258	72
" Inspector of Buildings, livery, Annex	300	00
" extra help, Inspector of Buildings, Annex	1,240	00
" City Collector, Annex	2,599	92
" interest, Annex	3,071	43
" refunded taxes, Annex	42	90
" Engine Company No. 18, Annex	22,999	61
" building Annex School No. 8, Annex	13,785	50
" fire-plugs at Carroll, Annex	250	00
" Smead system, No. 8 School, Annex	3,344	00
" repairing Old York Road, Annex	994	51
" " Gilmor lane, Annex	486	15
" " Lombard street, Annex	248	00
" " St. Paul street, Annex	295	00
" " Dorsey's lane, Annex	495	00
" " Old Pimlico Road, Annex	495	78
" macadamizing Garrison lane, Annex	700	00
" repairing Dillwood avenue, Annex	497	

For repairing Montebello avenue, Annex.	$ 443	67
" " Chesnut and Third avenues, Annex	4,991	47
" repairing Slingluff avenue, Annex....	996	00
" " Garrison lane, Annex.....	587	23
" " Old Liberty Road, Annex..	998	48
" " Wilkens avenue, Annex..	792	78
" macadamizing Franklin street, Annex	3,408	30
" repairing West Baltimore street, Annex	487	99
" repairing Loudon avenue, Annex....	296	50
" " Twenty-fifth street, Annex	2,998	02
" lot for engine house, Annex.....	4,000	00
" improving Jackson, Washington, &c. streets, Annex.....	139	34
" repairing Stafford street, Annex.....	698	55
" " Woodberry lane, Annex....	497	00
" building addition to Annex School No. 9, Annex.....	6,110	66
" purchase of lot and building, Male and Female Grammar School, Annex..	5,340	89
" general sinking fund.....	131,101	75
" internal improvement, 1928 sinking fund	78,717	63
" water, 1926 sinking fund.....	26,283	79
" Mount Vernon Squares.....	1,700	00
" Park Place Squares.....	507	85
" Ashland Square.....	104	67
" Mount Royal Avenue Squares	2,984	38
" Eastern Fountain.....	1,485	10
" Jackson Square	989	51
" Taney Place Squares	298	58
" Wilkens Avenue Squares.....	2,464	07

For House of Refuge	$19,947 92
" House of Reformation	12,000 00
" Mount Hope Retreat	33,331 67
" Maryland Hospital for the Insane	24,106 97
" Hospital of the University of Maryland	8,354 36
" Hospital of the College of Physicians and Surgeons	16,900 00
" Maryland General Hospital	7,603 10
" Baltimore University Hospital	5,964 02
" Good Samaritan Hospital	1,666 76
" St. Joseph's Hospital	4,522 08
" Maryland Homeopathic Hospital	2,498 93
" St. Agnes' Hospital	2,801 95
" St. Joseph's House of Industry	1,000 00
" Female House of Refuge	4,000 00
" Industrial Home for Colored Girls	3,000 00
" Boys' Home Society	3,000 00
" St. Vincent's Infant Asylum	6,166 64
" St. Mary's Female Orphan Asylum	9,383 33
" Home of the Friendless	2,100 00
" Nursery and Child's Hospital	4,100 01
" St. Elizabeth's Colored Orphan Asylum	3,000 00
" St. Mary's Home for Colored Boys	500 00
" Shelter for Aged Colored Poor	500 00
" St. Mary's Industrial School	20,000 00
" Dispensaries	13,950 00
" Deaf and Dumb	495 25
" State Tax on City Loans	37,063 75
" Manual Labor School	1,500 00
" assistance, Examiner of Titles	1,000 00
" salaries of City Officers	77,719 56

For Coroners	$	5,950 00
" Commissioners for Opening Streets		188 43
" sale of city property		366 08
" Transportation to House of Correction		155 60
" Maryland Institute		9,000 00
" Ice-boat "Annapolis"		10,000 00
" Enoch Pratt Free Library		12,500 00
" winding Maryland Institute clock		75 00
" post-mortems		1,500 00
" Supreme Bench		3,034 74
" care of Circuit Court No. 2		837 83
" commissions and incidentals of Harbor Masters		8,150 87
" interest on stock debt		1,552,167 53
" removing refuse of packing houses		5,000 00
" rent of Circuit Court No. 2		745 00
" Inspector of Gas and Oil, Livery, etc.		339 14
" removed cases		85 00
" elections		16,729 93
" tax sales		620 74
" condemnation of land for Park purposes		32,560 49
" cleaning streets (special)		49,777 22
" Public Schools' Exhibit at World's Fair		4,726 73
" unclaimed damages		114 45
" special appropriations		5,549 10
" hose for various markets		660 15
" Western Maryland Railroad investigation		3,906 06
" temporary loans		856,919 00
" improvement Broadway Squares		5,925 87

For measurement of street railway tracks	$	148 50
" sprinkling Mount Royal avenue		900 00
" New Court House		158,182 69
" removing filth from docks		3,999 42
" St. Vincent de Paul's Orphan Asylum		3,000 00
" Manual Training School, House of Refuge		2,000 00
" The Simmons Home		500 00
" fire plug, Wilkens avenue		75 00
" fire plugs at various places		2,850 00
" fire plug at Williams and Heath streets		75 00
" fire plug on Biddle street		75 00
" drinking fountain, Wilkens avenue and Bentalou street		75 00
" drinking fountain, Davis street		75 00
" drinking fountain, Fayette and Amity streets		75 00
" drinking fountain, Thames and Bond streets		75 00
" drinking fountain, Tenth street and North avenue		75 00
" drinking fountain, Covington and Randall streets		75 00
" drinking fountain, Paca and Pratt streets		75 00
" drinking fountain, Caroline and McElderry streets		75 00
" drinking fountain, Lancaster street and Broadway		75 00
" Monument to Maryland Patriots American Revolution		2,500 00
" music in the parks		3,900 00
" Veteran Volunteer Fireman's Association		1,000 00

For water mains, Riverside Park	3,000 00
" removing fire-plug from Broadway and Lanvale street	50 00
" underground wires	529 91
" purchase of lot on Morris alley	528 90
" dredging Jones' falls	25,000 00
" building Baltimore City College	30 00
" drinking fountain, Greenmount avenue and Lanvale street	75 00
" drinking fountain, Caroline and Bank streets	75 00
" fireplug, Bolton and Lennox streets	75 00
" fireplug, Harrison and Fayette streets	75 00
" premium on currency	1,282 12
" new City Code	780 80
" Sewerage Commission	603 76
" commission to Harbor Master, sixth district	20 00
" damages and incidentals, in opening and closing streets	474,516 98
" paving streets and alleys	849,905 86
Balance in hands of City Register, December 31, 1893	572,381 54
	$11,288,581 49

By virtue of authority vested in me by Article 50, of Baltimore City Code, title "Taxes," I offered for sale, at public auction, November 22, 1893, six (6) pieces of property, which the city became possessed of through tax sales. The amount realized therefrom was $745, which amount has been covered into the City Treasury.

The receipts from licenses from various sources have

been for this year $57,696.40, being over $9,000 in excess of the estimate of the Ways and Means Committee, and greater than for any year previous. Among the licenses given out at the Comptroller's office is that for the sale of kerosene oil, or fluids made from petroleum or its products, which are used for illuminating purposes. The ordinance requiring this license renders it unlawful for any person to sell these fluids in quantities less than a barrel without first obtaining from the Comptroller a license, which is issued annually and for which the sum of one dollar is charged.

The purport of this ordinance was not to afford revenue to the city, but to secure a record of the name and location of those selling these fluids, so that the Inspector of Illuminating Oils might be furnished therewith.

Since this ordinance has been in operation there have been fewer accidents from oil explosions; but the same result could be effected if the ordinance requiring the payment of one dollar for a license were so amended as to abolish this fee and substitute in place thereof free registration of the names of all dealers, and make it the duty of the Comptroller to furnish each dealer with a certificate of registration, and any one selling without such certificate to be liable to the penalty at present prescribed for those not taking out license. Though the law has been legally tested and found valid, yet it seems unjust that those who have taken out a regular store license should be compelled to take an additional one for the sale of this particular article. I would, therefore, recommend to your honorable body such action in the matter as justice seems to dictate.

The license on billiard and pool tables of $25 per year, considering the fact that a license is also exacted by the State of $50 for one table and $25 for each additional one, seems to be oppressive in its character and should be reduced to $10 for each table. The city would derive as much revenue, for there would then be less evasion of the law and more tables would be erected.

STATEMENT OF EXPENDITURES UNDER THE FIVE MILLION LOAN.

For Public Schools and lots	$ 369,486 53
" Public Park, S. W. Baltimore	50,000 00
" Improvement of Patterson Park	200,000 00
" Construction of Bridges	249,377 96
" " Sewers	1,581,161 37
" paving streets with improved pavements	946,789 68
" widening East Baltimore street	168,220 33
" " Fayette street	731,085 82
" opening Douglas street	375,908 46
	$4,672,030 15

The last table in this report specifies the various purposes for which the amount expended this year has been used, and I respectfully refer you to the table for full information relative thereto.

I have the honor to be,

Very respectfully,

Your obedient servant,

JAMES R. HORNER,

Comptroller.

TABLES.

TABLE A.

DR. JOHN A. ROBB, *Register, in Account with*

1893.

Jan.	1.	To balance	$ 263,040 48
	31.	To cash	262,596 14
Feb.	28.	"	915,695 11
Mar.	31.	"	515,261 74
April	30.	"	655,722 79
May	31.	"	474,266 51
June	30.	"	2,611,418 39
July	31.	"	670,168 86
Aug.	31.	"	434,645 37
Sept.	30.	"	1,208,405 46
Oct.	31.	"	796,823 74
Nov.	30.	"	1,712,737 21
Dec.	31.	"	767,799 60
			$11,288,581 49

TABLE A.

the Mayor and City Council of Baltimore. Cr.

Jan.	31.	By Comptroller's warrants		$	841,363	21
Feb.	29.	"	"	"	465,585	97
Mar.	31.	"	"	"	628,795	60
April	30.	"	"	"	526,164	64
May	31.	"	"	"	1,556,416	89
June	30.	"	"	"	1,517,772	22
July	31.	"	"	"	700,946	42
Aug.	31.	"	"	"	662,649	72
Sept.	30.	"	"	"	826,936	60
Oct.	31.	"	"	"	882,201	50
Nov.	30.	"	"	"	1,292,809	71
Dec.	31.	"	"	"	814,557	47
Dec.	31.	"	balance		572,381	54
					$11,288,581	49

TABLE B.

Collection of Taxes, Opening of Streets, &c., made by the City Collector, for the year ending December 31, 1893.

	1888.	1889.	1890.	1891.	1892.	1893.	Total.
Police Department	$ 84 64	$268 43	$3,446 59	$28,101 46	$141,875 07	$605,763 08	$779,539 27
Certain Expenses	28 21	99 40	951 06	9,032 75	45,399 99	136,785 20	192,296 61
Public Schools	75 24	228 67	3,091 99	23,083 75	141,875 04	625,303 80	793,658 49
City Poor	28 20	79 53	1,188 84	10,036 31	56,749 99	214,948 17	283,031 04
Direct Tax	206 88	785 35	8,321 85	46,167 20	244,025 03	566,681 60	866,187 91
Miscellaneous Stocks	125 38	347 96	3,923 11	24,087 18	170,249 98	586,222 35	784,955 96
Opening Streets	40 75	49 72	713 29	4,014 51	17,025 01	78,162 95	100,006 23
Water Tax	6 27	19 84	237 76	2,007 27	11,350 01	39,081 51	52,702 66
Water 1926 Sinking Fund	.....	4 96	59 45	1,003 63	5,674 99	19,540 76	26,283 79
Internal Improvement 1928 Sinking Fund	.....	.....	59 45	3,010 92	17,024 99	58,622 27	78,717 63
General Sinking Fund	.....	4 98	.....	5,018 12	28,374 94	97,703 71	131,101 75
	$595 57	$1,888 84	$21,993 39	$155,563 10	879,625 04	$3,028,815 40	$4,088,481 34
Interest	122 31	364 34	3,013 25	13,051 92	7,797 70	.....	24,349 52
Discount	.....	.....	.....	.....	.....	93,400 63	93,400 63
							$4,206,231 49
Opening and Closing Streets and Alleys	.....	.....	.....	.....	.....	.....	105,296 42
							$4,311,527 91

TABLE B—Concluded.

City Taxes received from the Annexed Territory during the year 1893.

Total amount received		$148,684 54
Of which there was collected		
on the levy of 1889	$ 18 70	
On the levy of 1890	366 84	
On the levy of 1891	5,492 27	
On the levy of 1892	36,485 21	
On the levy of 1893	106,321 52	
		148,684 54
The basis collected on—		
1889		$ 2,630 00
1890		53,964 00
1891		842,998 00
1892		6,018,133 00
1893		17,720,257 00

TABLE C.

Hanover Market—John H. Mortimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,008 00
Fish stall rents		150 00
Permanent stall rents		225 00
Eave stall rents		152 00
Street stall rents		72 00
Vegetable stall rents		600 00
Cucumber stall rents		18 00
Per diem rents		1,545 00
Licenses		1,190 00
		$4,960 00

TABLE C—Continued.

Belair Market—Joseph H. Wright, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,890 00
Fish stall rents		166 00
Permanent stall rents		224 00
Eave stall rents		144 00
Street eave stall rents		240 00
Cucumber stall rents		456 00
Movable stall rents		204 00
Per diem rents		2,062 50
Licenses		1,620 00
		$7,006 50

TABLE C—Continued.

Lexington Market—James A. Strong, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$2,750 00
Fish " " ..		350 00
Permanent " " ..		1,980 00
Eave " " ..		1,540 00
Fruit " " ..		600 00
Street eave " " ..		315 00
Cucumber " " ..		835 00
Movable " " ..		294 00
Per diem rents.....		4,176 60
		$12,840 60

TABLE C—Continued.

Cross Street Market—Charles B. Kemper, Clerk.

	Dr.	Cr.
Butcher stall rents		$ 842 50
Fish stall rents		267 50
Permanent stall rents		395 00
Eave stall rents		430 00
Vegetable stall rents		330 00
Street eave stall rents		245 00
Per diem rents		2,130 70
		$4,640 70

TABLE C—Continued.

Hollins Market—James Biden, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license ..		$ 695 00
Fish " " ..		30 00
Permanent " " ..		200 00
Eave " " ..		220 00
Space " " ..		205 00
Street eave " " ..		670 00
Pavement " " ..		25 00
End " " ..		55 00
3 & 9 mons. " " ..		30 00
Per diem rents		1,473 90
		$3,603 90

TABLE C—Continued.

Centre Market—Daniel Murray, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$1,322 00
Fish " " ..		606 00
Permanent " " ..		495 00
Eave " " ..		427 00
Vegetable " " ..		200 00
Street eave " " ..		44 00
Movable " " ..		400 00
Per diem rents.		1,999 20
		$5,493 20

TABLE C—Continued.

Richmond Market—George H. Clifton, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 233 00
Permanent " " ..		79 00
Fish " " ..		60 00
Eave " " ..		69 00
Space " " ..		85 00
Kerb " " ..		45 00
Movable " " ..		27 00
Aisle " " ..		30 00
Street " " ..		5 00
Per diem rents.....		1,213 90
		$1,846 90

TABLE C—Continued.

Fell's Point Market—William A. Callahan, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$1,220 00
Fish " " ..		52 00
Permanent " " ..		378 00
Eave " " ..		378 00
Vegetable " " ..		826 00
Street " " ..		26 00
Movable " " ..		52 00
Per diem rents.....		1,590 70
Licenses.....		1,900 00
		$6,422 70

TABLE C—Continued.

Lafayette Market—John Farrell, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$ 310 00
Permanent " " ..		447 00
Eave " " ..		458 00
Space " " ..		90 00
Street eave " " ..		70 00
Per diem rents.....		722 50
		$2,097 50

TABLE C—Continued.

Northeast Market—Charles Briggeman, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$300 00
Fish " " ..		24 00
Permanent " " ..		100 00
Eave " " ..		105 00
Street eave " " ..		15 50
Vegetable " " ..		652 00
End " " ..		7 00
Per diem rents.....		688 70
		$1,892 20

TABLE C—Continued.

Canton Market—John Cadden, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license..		$105 00
Permanent " " ..		108 00
Eave " " ..		98 00
Fish " " ..		14 00
Per diem rents		169 80
Sale of stalls.....		85 00
		$579 80

TABLE C—Continued.

Summary of Markets.

	Dr.	Cr.
Hanover Market		$ 4,960 00
Belair "		7,006 50
Cross Street "		4,640 70
Lexington "		12,840 60
Hollins "		3,603 90
Centre "		5,493 20
Richmond "		1,846 90
Fells' Point "		6,422 70
Lafayette "		2,097 50
Northeast "		1,892 20
Canton "		579 80
		$51,384 00
Expenses of cleaning, repairs, &c.		
Hanover Market	$442 46	
Belair "	511 80	
Cross Street "	320 20	
Lexington "	666 50	
Hollins "	336 00	
Centre "	663 73	
Richmond "	413 40	
Fell's Point "	527 10	
Lafayette "	252 86	
Northeast "	308 65	
Canton "	174 50	
		$4,617 20
Net revenue		$46,766 80

TABLE C—Continued.

Public Halls.

	Dr.	Cr.
Cross Street Hall.		
By amount received for rent.....		$194 00
To amount paid for cleaning, &c...	$ 60 23	
Hollins Hall.		
By amount received for rent.....		200 00
To amount paid for cleaning, &c...	83 75	
Broadway Hall.		
By amount received for rent.....		35 00
To amount paid for cleaning, &c...	9 50	
To balance, December 31, 1893....	275 52	
	$429 00	$429 00

TABLE C—Continued.

Receipts from Licenses.

	Dr.	Cr.
Wagons, 1 horse		$17,222 35
" 2 and 3 horses		9,837 15
" 4 or more horses		814 40
Carts		5,660 60
Drays		426 65
Omnibuses, cars and hacks		3,214 60
Package carts		504 40
Lighters		363 65
Bacon		1,595 50
Puddings		85 00
Merchandise		173 80
Foreign fruit		390 30
Billiards		2,133 35
Bagatelle		606 65
Pawnbrokers		1,000 00
Peddlers		1,203 15
Dogs		898 55
Coal oil		1,535 30
Theatricals		2,455 00
Telegraph poles		7,526 00
Swings		50 00
		$57,696 40

TABLE C—Concluded.

Collection of Wharfage from January 1, 1893, to December 31, 1893.

Date.	1st District.	2d District.	3d District.	4th District.	5th District.	Aggregate.
January	$ 90 50	$194 53	$160 00	$404 16	$1,708 87	$2,558 06
February	44 50	71 57	129 50	362 50	1,590 16	2,198 23
March	54 50	128 38	126 22	421 50	1,874 28	2,604 88
April	52 45	206 23	142 50	386 50	2,148 78	2,936 46
May	64 50	279 54	267 92	364 25	2,180 47	3,156 68
June	78 50	306 88	211 50	400 75	2,067 70	3,065 33
July	69 00	338 27	223 00	364 42	1,933 67	2,928 36
August	62 10	326 94	259 72	371 50	1,728 14	2,748 40
September	69 75	319 50	323 68	503 50	1,706 85	2,923 28
October	70 50	327 82	301 05	383 50	1,561 69	2,644 56
November	80 50	132 69	274 65	443 00	1,423 69	2,354 53
December	90 45	162 31	225 95	421 50	1,431 83	2,332 04
	$827 25	$2,794 66	$2,645 69	$4,827 08	$21,356 13	$32,450 81

Total collections from January 1, 1893, to December 31, 1893		$32,450 81
Less amount paid to Harbor Masters	$6,490 12	
Less amount paid for boatmen's salary	1,200 00	
Less amount paid for rent and incidental expenses	460 75	
		$8,150 87
Net revenue		$24,299 94

TABLE D.

Criminal Court.

	Dr.	Cr.
By appropriation, Ordinance No. 154.....		$60,000 00
To amount paid Bailiffs.....	$ 7,500 00	
" " Clerk.....	14,133 25	
" " State's Attorney.	14,786 47	
" " Sheriff.....	19,891 05	
" " for board Jurors.	235 50	
" " for stationery Grand Jury...	206 77	
" " for expert testimony.....	210 00	
" " for judge's calendar.....	200 00	
" " for detectives' expenses	370 88	
" " for stenographers	481 73	
" " for surveys.....	30 00	
" " for witness fees.	39 00	
" " for attorney fees.	675 00	
" " for summonsing witnesses.....	15 20	
" " for jury list.....	35 50	
" " for Grand and Petit Jurors ..	13,625 72	
By balance, December 31, 1893..		12,436 07
	$72,436 07	$72,436 07

TABLE D—Continued.

Superior Court.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$13,000 00
To amount paid Bailiffs	$6,000 00	
" " Clerk	2,331 90	
" " Sheriff	440 60	
" " Janitor	390 00	
" " Jurors	5,883 00	
By balance, December 31, 1893		2,045 50
	$15,045 50	$15,045 50

TABLE D—Continued.

Baltimore City Court.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$13,000 00
To amount paid Bailiffs	$4,500 00	
" " Clerk	1,466 65	
" " Sheriff	363 60	
" " Jurors	4,939 00	
" " Stenographer	740 00	
To balance, December 31, 1893	790 60	
	$13,000 00	$13,000 00

Court Common Pleas.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$12,000
To amount paid Bailiffs	$4,500 00	
" " Sheriff	447 50	
" " Clerk	1,959 43	
" " Watchman	1,000 02	
" " Jurors	5,564 50	
" " for Stenography	30 00	
By balance, December 31, 1893		1,501 45
	$13,501 45	$13,501 45

TABLE D—Continued.

Circuit Court.

	Dr.	Cr.
By appropriation, Ordinance No. 154..		$2,800 00
To amount paid Bailiffs.....	$3,000 00	
" " Watchman.....	900 00	
" " Clerk.....	244 95	
" " for Stationery..	259 10	
By balance, December 31, 1893..		1,604 05
	$4,404 05	$4,404 05

Circuit Court No. 2.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$2,500 00
To amount paid Bailiff.....	$1,500 00	
" " Watchman.....	900 00	
" " Clerk	25 00	
To balance, December 31, 1893 .	75 00	
	$2,500 00	$2,500 00

TABLE D—Continued.

Orphans' Court.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$8,000 00
To amount paid Judges	$5,634 00	
" " Bailiff	1,252 00	
" " Janitor	900 00	
" " for Incidentals	77 10	
To balance, December 31, 1893	136 90	
	$8,000 00	$8,000 00

Supreme Bench.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$3,035 00
To amount paid Judges	$3,009 74	
" " City Collector for furnishing list of tax-payers	25 00	
To balance December 31, 1893	26	
	$3,035 00	$3,035 00

TABLE D—Continued.

Magistrates.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$17,000 00
To amount paid Magistrates	$13,891 15	
" " Substitutes	1,839 26	
To balance, December 31, 1893	1,269 59	
	$17,000 00	$17,000 00

Fines.

	Dr.	Cr.
By amount of City's proportion of fines		$12,938 77
To amount paid for fines remitted by the Mayor	$ 933 50	
By balance, December 31, 1893	12,005 27	
	$12,938 77	$12,938 77

TABLE D—Continued.

City Council.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$62,000 00
To amount paid to members	$32,666 65	
" " clerks, &c.	15,699 36	
To amount paid for printing and other expenses	10,704 99	
To balance, December 31, 1893	2,929 00	
	$62,000 00	$62,000 00

Police Department.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$836,741 07
To amount paid on warrants of the Board of Police Commissioners	$830,934 16	
To balance, December 31, 1893.	5,806 91	
	$836,741 07	$836,741 07
Received from the City Collector on account of the levy for the Police Department.		$779,539 27

TABLE D—Continued.

Supervisors of Elections.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$13,400 00
To amount paid Supervisors and Clerks	$6,938 71	
To amount paid for printing and incidentals	554 92	
To amount paid messenger and extra clerical assistance	2,188 81	
To amount paid counsel and assistant	3,300 00	
To balance, December 31, 1893	417 66	
	$13,400 00	$13,400 00

TABLE D—Continued.

Removed Cases.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$2,000 00
By amount received from County Commissioners of Anne Arundel County		522 15
By amount received from County Commissioners of Charles County		350 00
By amount received from County Commissioners of Montgomery County		263 05
To amount paid sundry parties	$ 85 00	
To balance, December 31, 1893	3,050 20	
	$3,135 20	$3,135 20

TABLE D—Concluded.

Registration.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$30,000 00
To amount paid Registration Officers and room rent	$22,726 80	
To amount paid for advertising, &c.	5,743 55	
To amount paid Clerk Court of Appeals	136 80	
To balance, December 31, 1893	1,392 85	
	$30,000 00	$30,000 00

Baltimore City Jail.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$55,000 00
By amount received from Board of U. S. prisoners		2,073 20
By amount received from hire of prisoners		5,097 01
By amount received from sale of refuse		66 00
To amount paid on warrants of the Board of Visitors	$51,213 41	
To balance, December 31, 1893	11,022 80	
	$62,236 21	$62,236 21

TABLE E.

General Interest.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$ 70,000 00
By amount received from City Collector for interest on arrears of taxes		117,750 15
By amount received from sundry banks for deposits, &c		3,449 11
To amount paid for interest on loans and accounts due by the Mayor and City Council of Baltimore	$140,410 99	
To balance, December 31, 1893	50,788 27	
	$191,199 26	$191,199 26

TABLE E—Continued.

Water Board.

	Dr.	Cr.
To balance, January 1, 1893...	$48,075 22	
By amount received from water rents, &c.		$771,634 12
By amount received from City Collector on account of water tax		52,702 66
To amount paid on warrants of the Water Board for interest on loan, salaries and other expenses	898,083 06	
By balance, December 31, 1893.		121,821 50
	$946,158 28	$946,158 28

TABLE E—Continued.

Public Schools.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$921,681 00
By appropriation, Resolution No. 3		12,000 00
To amount paid on warrants of the Board of School Commissioners	$933,676 63	
To balance, December 31, 1893	4 37	
	$933,681 00	$933,681 00

Receipts from various sources.

From the City Collector on account of the tax levy	$793,658 49
From the State, City's proportion of State tax	213,941 58
From John F. Plummer, executor	114 50
From H. M. Cowles, Secretary.	3,456 50
	$1,011,171 07

TABLE E—Continued.

Public School Exhibit at World's Fair.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$4,860 00
To amount paid on warrants of the Board of School Commissioners	$4,726 73	
To balance, December, 31, 1893..	133 27	
	$4,860 00	$4,860 00

Dog Pound.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$1,000 00
To amount received for dead dogs		34 80
To amount received for dogs redeemed		260 02
To amount received for dogs sold at auction		27 00
To amount paid for dogs captured	$1,000 00	
To balance, December 31, 1893..	321 82	
	$1,321 82	$1,321 82

TABLE E—Continued.

City Property.

	Dr.	Cr.
By appropriation, Ordinance No. 154		$44,505 94
By sundry parties, ground rent due the City		189 33
To amount of rents paid sundry parties	$43,870 18	
To balance, December 31, 1893	825 09	
	$44,695 27	$44,695 27

Gas and Electric Lights.

	Dr.	Cr.
By appropriation, Ordinance No. 154, electric lights		$126,000 00
By appropriation, Ordinance No. 154, gas		140,000 00
To amount paid for electric lights	$121,176 79	
To amount paid for gas	140,000 00	
To balance, December 31, 1893	4,823 21	
	$266,000 00	$266,000 00

TABLE E—Continued.

Internal Improvement 1928 *Loan.*

	Dr.	Cr.
By balance January 1, 1893...		$774,163 21
To amount paid on account of sewers, bridges, and paving streets	$691,063 06	
To balance, December 31, 1893.	83,100 15	
	$774,163 21	$774,163 21

State Tax on City Loans.

	Dr.	Cr.
By appropriation, Ordinance No. 154.....		$30,000 00
By amount received from City Register, Commissioners of Finance, &c., account of State tax on City loans.....		6,676 13
To amount paid State Treasurer.	$37,063 75	
By balance, December 31, 1893..		387 62
	$37,063 75	$37,063 75

TABLE E—Concluded.

Public Improvement 1940 *Loan.*

	Dr.	Cr.
By amount received from sale of bonds		$1,759,438 75
To amount paid on account of sewers, bridges, paving streets, &c	$1,222,193 12	
To balance, December 31, 1893	537,245 63	
	$1,759,438 75	$1,759,438 75

TABLE F.

Druid Hill and Patterson Parks.

	Dr.	Cr.
By balance, January 1, 1893...		$4,061 89
By amount received from City Passenger Railway Companies, as follows:		
Baltimore City Passenger Railway Company....		$66,853 80
Baltimore Traction Company..		89,025 51
City and Suburban Railway Company		30,111 28
Central Passenger Railway Company		18,763 37
Lake Roland Elevated Railway Company.....		8,170 62
By amount received from Park Commissioners, as follows:		
Druid Hill Park.....		3,668 99
Patterson Park.....		330 00
Federal Hill Park.....		332 25
Carroll Park.....		10 00
Riverside Park.....		3 82
To amount paid on warrant of the Park Commissioners....	$218,953 37	
To balance, December 31, 1893.	2,378 16	
	$221,331 53	$221,331 53

TABLE F—Concluded.

Patterson Park Extension.

	Dr.	Cr.
By balance, January 1, 1893.....		$6,864 01
By amount received from Park Commissioners.....		1 70
By appropriation, Ordinance No. 199, 1893.....		10,000 00
To amount paid on warrants of the Park Commissioners.....	$16,271 28	
To balance, December 31, 1893..	594 43	
	$16,865 71	$16,865 71

STATEMENT A.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
PUBLIC SQUARES.					
Harlem Park		$3,996 94	$4,000 00		$ 3 06
Eutaw Squares, 1st Div.		1,800 00	1,800 00		
" " 2d "		1,800 00	1,800 00		
Madison Square		1,863 48	2,000 00		136 52
Lafayette Square		3,444 99	3,500 00		55 01
Perkins Spring Square		1,000 00	1,000 00		
Union Square		1,143 69	1,150 00		6 31
Fulton Avenue Squares and Baker Circle		3,583 22	3,586 22		3 00
Broadway Squares, 1st Division		1,999 93	2,000 00		07
Broadway Squares, 2d Division		1,799 95	1,800 00		05

Broadway Squares 3d Division		$ 2,000 00	$2,000 00		
Franklin Squares		1,500 00	1,500 00		
Mount Vernon Squares		1,700 00	1,700 00		
Park Place Squares		507 85	800 00		292 15
Ashland Square		104 67	125 00		20 33
Mt. Royal Ave. Squares		2,984 38	3,000 00		15 62
Eastern Fountain		1,485 10	1,500 00		14 90
Jackson Square		989 51	1,000 00		10 49
Taney Place Squares		298 58	300 00		1 42
Wilkens Ave. Squares		2,464 07	2,500 00		35 93
HEALTH DEPARTMENT.					
General Health	$14,000 00	13,258 61	7 00		748 39
Salaries	39,200 00	39,200 00			
Nuisances	16,000 00	15,825 90			174 10
Quarantine Hospital	20,578 59	20,578 72	7,975 08		7,974 95
Post Mortems	1,500 00	1,500 00			
Remov'g filth from docks	4,000 00	3,999 42			58
Removing refuse from Packing houses	5,000 00	5,000 00			
HARBOR.					
Dredging, salaries, &c.	50,000 00	49,747 66			252 34
Ice-boat F. C. Latrobe	19,000 00	19,000 00			
Repairs of wharves	3,000 00	3,000 00			

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Removing ashes from tow boats	1,200 00	1,147 78			52 22
Repairs to Tug Hygeia	3,000 00	3,000 00			
Widening mouth of harbor	10,000 00	10,000 00			
Dredging Jones' Falls	25,000 00	25,000 00			
CITY COLLECTOR.					
Salaries, incidentals, &c	57,850 00	57,133 23			716 77
Appeal Tax Court	400 00	387 81			12 19
CLEANING STREETS.					
Salaries, cleaning streets, &c	285,487 00	277,705 21			7,781 79
Removal of Garbage	9,500 00	9,500 00			
Cleaning streets, special	50,000 00	49,777 62			222 38
CITY POOR.					
Bayview Asylum	97,500 00	97,297 36	1,617 16		1,819 80

House of Refuge	20,000 00	19,947 92			52 08
House of Reformation	12,000 00	12,000 00			
St. Mary's Industrial School	20,000 00	20,000 00			
Baltimore University	6,370 00	5,964 02			405 98
Maryland General Hospital	7,605 00	7,603 10			1 90
University of Maryland	8,450 00	8,354 36			95 64
Washington University	16,900 00	16,900 00			
Maryland Hospital for the Insane	25,000 00	24,106 97	750 00		1,643 03
Deaf and Dumb at Frederick	500 00	495 25			4 75
Female House of Refuge	4,000 00	4,000 00			
St. Vincent's Infant Asylum	7,000 00	6,166 64			833 36
Home of the Friendless	2,100 00	2,100 00			
Nursery and Child's Hospital	4,200 00	4,100 01			99 99
St. Elizabeth's Colored Orphan Asylum	3,000 00	3,000 00			
Mount Hope Retreat	38,000 00	33,381 67	795 00		5,413 33
Industrial Home for Colored Girls	3,000 00	3,000 00			
Boys' Home Society	3,000 00	3,000 00			

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
St. Mary's Female Orphan Asylum	$9,800 00	$9,383 33			$416 67
Shelter for Aged Colored Poor	500 00	500 00			
St. Mary's Home for Colored Children	500 00	500 00			
St. Joseph's House of Industry	1,000 00	1,000 00			
Hospital of the Good Samaritan	1,690 00	1,666 76			23 24
St. Joseph's Hospital	4,680 00	4,522 08			157 92
Maryland Homœpathic Hospital	2,498 93	2,498 93			
St. Agnes' Hospital	2,990 00	2,801 95			188 05

Manual Training School, House of Refuge	2,000 00	2,000 00			
Transportation of Poor	1,000 00	973 44	72 16		98 72
St. Vincent de Paul's Orphan Asylum	3,000 00	3,000 00			
The Simmon's Home	500 00	500 00			
Manual Labor School	1,500 00	1,500 00			
DISPENSARIES.					
Baltimore General	1,500 00	1,500 00			
" Medical	1,500 00	1,500 00			
College Physicians and Surgeons	1,250 00	1,250 00			
Womens' Medical College	500 00	500 00			
Baltimore University	1,000 00	1,000 00			
University of Maryland	1,000 00	1,000 00			
Baltimore College of Dental Surgery	500 00	500 00			
Southern Dispensary	1,200 00	1,200 00			
Baltimore Eye, Ear and Throat Charity Hospital	500 00	500 00			
Maryland Homœpathic	1,000 00	1,000 00			
Evening Dispensary for Working Girls	700 00	700 00			

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Northeastern	$ 900 00	$ 900 00			
Eastern Dispensary	1,400 00	1,400 00			
Southern Homœpathic	500 00	500 00			
Dental Department, University of Maryland	500 00	500 00			
GENERAL SUPERINTENDENT LAMPS' DEPARTMENT.					
Gasoline lamps, lamp pillars, etc.	6,950 00	6,817 13			$ 132 87
Lamplighters' salaries	47,500 00	47,431 70			68 30
Inspecting gas meters			$2,306 75		2,306 75
INSPECTOR OF BUILDINGS DEPARTMENT.					
Salaries, incidentals, etc.	6,300 00	6,300 00			

Repairs Public Schools ..	15,000 00	14,934 44	.....	.....	65 56
" City Property ...	21,000 00	20,996 55	.....	.....	3 45
Permits for sheds, boilers, etc	.....	406 93	9,495 94	.....	9,089 01
Cleaning cess-pools.....	1,000 00	648 60	.....	.....	351 40
Extension 5th Regiment Armory...	4,500 00	4,500 00	.....	.....	.....
Building Colored School No. 3	10,100 00	9,786 09	.....	.....	313 91
Sanitary and other iments.....	4,000 00	3,998 37	.....	.....	1 63
Extra help, Inspector of Buildings.....	3,720 00	3,720 00	.....	.....	.....
Rent of room, etc., Clerk Superior Court.....	1,200 00	1,152 15	.....	.....	47 85
Painting exterior of the City Hall.....	907 97	907 97	.....	.....	.....
Painting school houses..	4,000 00	4,000 00	.....	.....	.....
Wood or iron ceilings....	3,000 00	2,033 20	.....	.....	966 80
Rental of auxilliary fire alarm boxes in schools.	4,200 00	4,200 00	.....	.....	.....
Winding clocks in engine houses	200 00	200 00	.....	.....	.....
Repairing buildings at Quarantine.....	1,500 00	1,500 00	.....	.....	.....

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Grading, etc., yard of No. 19, and English-German School No. 1	$2,600 00	$2,600 00			
Painting interior of the City Hall	1,092 00	1,029 85			$ 62 15
Building English-German School No. 1	3,000 00	2,832 67			167 33
Fitting room in English-German School No. 1	350 00	265 00			85 00
Additional story to Eng.-German School No. 1	8,000 00	100 00			7,900 00
Cement floor basement No. 20 Grammar	1,000 00	892 52			107 48
Extension Richmond Mkt	3,300 00	3,300 00			

Improvement water closet No. 2 School	1,000 00	1,000 00			
Building Engine house, Haubert street and Fort avenue	10,000 00	8 12			9,991 88
Building addition to Morgue	1,200 00	1,200 00			
Purchase of lot and building Western Female High School	135,000 00	32,669 66			104,330 34
Building Baltimore City College	200,000 00	30 00			199,970 00
Building disinfecting plant at Quarantine	11,000 00	175 65			10,824 35
Purchase of lot and building Colored School No. 4	15,000 00	15,000 00			
CITY COMMISSIONER'S DEPARTMENT.					
Repairs of paved streets	92,000 00	91,920 16	58 30		138 14
Repairs of bridges	6,219 44	6,192 72	9 67		36 39
Repairs of sewers	8,000 00	7,429 06	3,920 40		4,491 34
Light Street bridge	7,915 31	7,228 13			687 18
Salaries, incidentals and livery	10,800 00	10,605 40			194 60
Flag and stepping-stones	8,000 00	7,998 44			1 56

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Cross streets	$5,000 00	$ 4,938 62			$ 61 38
Repairs unpaved streets	2,000 00	1,998 59			1 41
Improvement Harford Run		1,858 56	$ 19,537 76		17,679 20
Sewer in Preston street		1,107 25	9,326 74		8,219 49
Paving streets around Southern Police station		259 01	259 01		
Presbury Street sewer		10,026 19	12,906 13		2,879 94
Fremont Street sewer		12,089 79	30,352 11		18,262 32
Carey Street relief sewer		44,404 98	45,275 01		870 03
Read Street sewer		1,432 54	2,100 82		668 28
Eden Street sewer		1,063 49	1,406 59		343 10
Eager Street sewer			1,013 85		1,013 85
Druid Hill Avenue sewer		78,032 72	124,739 17		46,706 45
Bush Street sewer		124,927 37	164,012 54		39,085 17

Repairing sidewalk at Union Square	3,200 00	1,017 53	.....	.....	2,182 47
Pulaski Street sewer	.....	1,324 96	6,377 17	.....	5,052 21
Building North Avenue bridge	.....	104,018 50	341,000 00	.....	236,981 50
Building Douglas Street bridge	.....	13,925 74	17,172 93	.....	3,247 19
Building Baltimore Street bridge	.....	37,000 00	37,000 00	.....	.....
Building Ramsay Street bridge	.....	27,695 50	28,923 45	.....	1,227 95
Building Edmondson Avenue bridge	.....	162 00	30,000 00	.....	29,838 00
Paving City property	1,000 00	598 98	.....	.....	401 02
Penn Street sewer	.....	26,182 30	44,724 11	.....	18,541 81
Hoffman Street sewer	.....	6,159 56	6,162 07	.....	2 51
Iron plates various places	1,402 14	1,177 76	.....	.....	224 38
Flag-stones Cathedral and Centre streets	2,956 00	2,052 44	.....	.....	903 56
Inlets Caroline and Madison streets	1,217 93	1,193 56	.....	.....	24 37
Inlets Hillen and East streets	700 00	670 63	.....	.....	29 37
Inlets German and Arch streets	1,050 00	1,012 12	.....	.....	37 88

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Iron plates Pratt and Eden streets.	$ 758 99	$ 10 00			748 99
Fulton avenue and Eagle street sewer		69 83	$ 93 71		23 88
Inlets Baltimore and Wolfe streets	700 00	664 21			35 79
Inlets Central avenue and High alley	68 41	55 30			13 11
Paving streets around Hanover Market		1,126 72	1,126 72		
Inlets McHenry and Pulaski streets	104 50	104 11			39
Bulkhead Ferry Point road	2,229 02	2,225 00			4 02
Inlets Schroeder's Run	597 27	486 12			111 15

Inlets Central avenue and McElderry street	175 36	105 05			70 31
Inlets Hanover and Cross streets	1,207 81	542 74			665 07
Trapping inlets Calhoun Street sewer	86 87	50 71			36 16
Inlets Barnes and other streets	600 00	276 65			323 35
Inlets Arch and Raborg streets	207 50	188 24			19 26
Inlets Druid Hill avenue and Presstman street	1,400 00	1,344 85			55 15
Repairing Madison street	700 00	599 15			100 85
Ann and Gay Street sewer		58 50	1,005 36		946 86
Inlets McHenry Street sewer	841 95	616 81			225 14
Inlets Centre and North streets	1,050 00	995 81			54 19
Kerbing Park avenue	2,892 91	79 13			2,813 78
Paving streets around Hanover Market, spec'l	364 40	364 40			
Shelling East Baltimore street	500 00	466 66			33 34
Shelling Point lane	400 00	29 33			370 67
Patapsco Street sewer		17,113 85	25,400 00		8,286 15

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Shelling East Baltimore and Fayette streets	$1,500 00	$1,500 20	$ 20		
Inlets Hamburg and Paca Streets	800 00	797 01			$ 2 99
Grading Lanvale and other streets	5,000 00	1,342 46			3,657 54
Iron plates Lombard and Paca streets	2,000 00	1,595 79			404 21
Monroe Street sewer		7,954 76	8,000 00		45 24
Sale old material, 1928 loan			1,534 83		1,534 83
Iron plates Central avenue and Eager street	1,400 00	1,279 32			120 68
Stone crusher	2,500 00	2,484 98			15 02
Inlets Adams alley	500 00	344 65			155 35

Iron plates Eastern avenue and Ann street	3,000 00	1,593 11			1,406 89
Federal Street sewer		13,233 10	43,700 00		30,466 90
Fremont Street sewer		150 00	113,200 00		113,050 00
Pulaski and Franklin Street sewer		21 67	1,013 42		991 75
Straightening Eutaw street		1,195 00	1,200 00		5 00
Charles Street sewer		2,188 64	91,800 00		89,611 36
Iron plates, Pratt and Gilmor streets	645 00	641 64			3 36
Drain pipe, Battery ave	750 00	500 09			249 91
To divert flow of water from Linden avenue	1,200 00	1,123 88			76 12
Regrading Lexington street	352 80	352 80			
West Street sewer		3,555 46	8,000 00		4,444 54
Shelling Ferry Point road	2,500 00	2,491 61			8 39
Building Maryland Avenue bridge		394 11	20,000 00		19,605 89
Iron plates, Chesapeake and Dillon streets	1,700 00	1,469 13			230 87
Iron plates, Dillon and Canton streets	850 00	823 36			26 64

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Iron plates, Central avenue and Jefferson street	$ 1,400 00	$ 1,300 43	.....	.....	$ 99 57
Race Street sewer.....	.....	1,554 70	$ 2,000 00	.....	445 30
Union Avenue sewer....	.....	12,284 28	12,500 00	.....	215 72
Building Monroe Street bridge.....	.....	20 00	12,700 00	.....	12,680 00
Hoffman Street sewer, special.....	400 40	400 40	.....	.....	.....
Inlets, Lexington street and Park avenue.....	1,050 00	904 90	.....	.....	145 10
FIRE DEPARTMENT.					
Salaries, incidentals, repairs, &c.....	349,066 63	349,037 19	322 82	.....	352 26
Fire alarm boxes, various places.....	2,400 00	2,395 41	.....	.....	4 59

Keyless doors on fire alarm boxes	1,000 00	1,000 00			
Lot for new Hook and Ladder Company	5,000 00	5,000 00			
Underground wires		529 91	100,000 00		99,470 09
MISCELLANEOUS.					
Mayoralty	2,800 00	2,663 19			136 81
Auction duties			7,252 45		7,252 45
Superintendent City Hall	17,425 00	16,526 69			898 31
City Librarian	9,800 00	9,798 40	88 86		90 46
Refunded taxes		3,165 10		3,165 10	
Court House	6,619 00	5,913 63			705 37
City and Circuit Court building	3,849 00	3,614 29	5 00		239 71
General license	2,000 00	910 74			1,089 26
General expense	2,000 00	1,401 71			598 29
Public printing	1,580 20	1,533 92	233 94		280 22
Liquor License Commission	16,000 00	14,940 87	47 50		1,106 63
Liquor license			390,137 89		390,137 89
Assistance to Examiner of Titles	1,000 00	1,000 00			
Salaries	77,719 56	77,719 56			
Coroners	5,950 00	5,950 00			
Judgments and suits		8,777 47		8,777 47	

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Commissioners Opening streets	$ 200 00	$ 188 43			$ 11 57
Sale of City property		366 08	$ 873 54		507 46
Transportation House of Correction	400 00	155 60			244 40
Maryland Institute	9,000 00	9,000 00			
Ice-boat Annapolis	10,000 00	10,000 00			
Enoch Pratt Free Library		12,500 00	12,500 00		
Winding Maryland Institute clock	75 00	75 00			
Care Circuit Court No. 2.					
Rent of Circuit Court No. 2	900 00	745 00			155 00
Inspector Gas and Oils, Livery	375 00	339 14			35 86
Elections	19,000 00	16,729 93			2,270 07

Tax Sales		620 74	2,539 62		1,918 88
Condemnation land for Park purposes		42,560 49	42,381 20	179 29	
Conscience fund			80 00		80 00
Unclaimed damages		114 45	173 83		59 38
Special Appropriations	5,549 10	5,549 10			
Hose for various markets	800 00	660 15			139 85
Bolton property			139,936 01		139,936 04
Wm. L. Marbury, Trustee, etc			35 15		35 15
Western Maryland Railroad investigation	4,500 00	3,906 06			593 94
Temporary loans		856,919 00	2,073,211 33		1,216,292 33
Improvement Broadway squares	8,000 00	5,925 87			2,074 13
Measurement street railway tracks	150 00	148 50			1 50
Sprinkling Mount Royal avenue	900 00	900 00			
New Court House		158,174 17	1,750,000 00		1,591,825 83
Fire-plug Wilkens avenue	75 00	75 00			
Fire-plugs various places	2,850 00	2,850 00			
Fire-plug Williams and Heath streets	75 00	75 00			
Fire-plug Biddle street	75 00	75 00			

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Drinking fount'n Wilkens avenue and Bentalou street	$75 00	$75 00			
Drinking fountain Davis street	75 00	75 00			
Drinking fountain Fayette and Amity streets	75 00	75 00			
Drinking fount'n Thames and Bond streets	75 00	75 00			
Drinking fountain Linden avenue	75 00				$75 00
Drinking fountain Tenth street and North avenue	75 00	75 00			
Drinking fount'n Covington and Randall streets	75 00	75 00			

Drinking fountain Paca and Pratt streets	75 00	75 00			
Drinking fount'n Luzerne street and Eastern ave.	75 00				75 00
Drinking fount'n Caroline and McElderry streets.	75 00	75 00			
Drinking fountain Lancaster and Broadway	75 00	75 00			
Monument Maryland Patriots American Revolution	2,500 00	2,500 00			
Music in the parks	3,900 00	3,900 00			
Veteran Volunteer Fireman's Association	1,000 00	1,000 00			
Water mains near Riverside Park	3,000 00	3,000 00			
Removing fire-plug from Broadway and Lanvale street	50 00	50 00			
Topographical Survey	125,000 00	40,419 71	10 00		84,590 29
Purchase of lot on Morris alley	528 90	528 90			
Drinking fountain, Greenmount avenue and Lanvale street	75 00	75 00			

STATEMENT A—Concluded.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Drinking fountain, Caroline and Bank streets	$ 75 00	$ 75 00	.....	.....	.....
Fire-plug, Bolton and Lennox streets	75 00	75 00	.....	.....	.....
Fire-plug, Harrison and Fayette streets	75 00	75 00	.....	.....	.....
Premium on currency	.....	1,282 12	.....	$1,282 12	.....
New City Code	800 00	780 80	.....	.....	$ 19 20
Rent of Imperial Hotel	.....	.....	$2,437 50	.....	2,437 50
Sewerage Commission	5,000 00	603 76	.....	.....	4,396 24
Telephone conduits	.....	.....	4,635 80	.....	4,635 80
Rent of Court House property	.....	.....	20 00	.....	20 00
Wharfage, 6th district	.....	20 00	100 00	.....	80 00

Turnpike dividends	.....	.....	157 61	.....	157 61
City seals	.....	.....	16 50	.....	16 50
	$2,371,441 99	$3,574,282 87	$5,856,828 97	$13,403 98	$4,667,392 07

STATEMENT B.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Collington ave..	.....	$ 138 03	$ 137 50	$ 53	.....
" McCulloh street.	.....	128,731 75	138,597 01	.....	$9,865 26
" Spring street....	$ 3,025 52	6,095 04	2,547 21	522 31	.....
Widening E. Balto. street	.....	50 00	50 00	.....	.....
Opening Fairmount ave..	.....	300 90	.....	300 90	.....
" Lanvale street..	.....	42 50	.....	42 50	.....
" Clement street..	.....	99 80	887 25	.....	787 45
" Brice alley.....	1,396 54	806 67	160 50	.....	750 37
" Federal street...	15,119 69	22,076 49	4,637 66	2,319 14	.....
" Webster street..	.....	63 98	405 87	.....	341 89
" Randall street..	.....	60 60	257 00	.....	196 40
" Bouldin alley...	.....	250 33	.....	250 33	.....
" Whitelock street	.....	65 98	5,692 50	.....	5,626 52
" Pinkney street..	4,607 70	6,487 50	1,577 12	302 68	.....
Widening Fayette street..	.....	148,686 18	29,162 33	119,523 85	.....

Opening Chew street....	8,313 59	2,301 75	174 00	.....	6,185 84
" Covington street	.....	275 76	.....	275 76	.....
" Townsend street	37,597 61	40,513 53	3,255 65	.....	339 73
" Etting street.....	.....	359 40	855 73	.....	496 33
" Allen street....	.....	16 50	.....	16 50	.....
" Cleveland street	5,113 03	9,542 84	4,680 00	.....	250 19
" Ward street....	5,856 93	7,654 48	2,805 42	.....	1,007 87
" Eutaw street....	8,437 49	12,398 24	4,649 69	.....	688 94
" Chase street....	.....	432 49	349 00	83 49	.....
" Stockholm street	.....	538 51	682 70	.....	144 19
" Durham street..	8,399 45	12,733 13	4,471 33	.....	137 65
Widening Union Dock...	.....	59,450 93	60,207 72	.....	756 79
Opening Bethel street...	.....	118 63	1,011 92	.....	893 29
" Port alley.....	.....	84 80	.....	84 80	.....
" Forrest street...	.....	350 00	.....	350 00	.....
" Tenth street....	.....	17 25	.....	17 25	.....
" Clifton avenue..	.....	17 00	.....	17 00	.....
" Elgin avenue...	.....	17 25	.....	17 25	.....
" Windsor avenue	.....	17 00	.....	17 00	.....
" Myrtle avenue..	.....	17 00	.....	17 00	.....
" North avenue...	.....	60 33	.....	60 33	.....
" Douglas street..	.....	.....	1,035 00	.....	1,035 00
" Kirby's lane....	.....	732 63	598 37	134 26	.....
" Henry street....	5,103 04	7,583 57	2,956 00	.....	475 47
" Ensor street....	.....	255 00	.....	255 00	.....

STATEMENT B—Concluded.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Widening St. Paul street		$ 431 46	$6,138 93		$5,707 47
Opening Ludlow street		15 00		$ 15 00	
" West street		21 90		21 90	
" Burrow street		36 90		36 90	
" Eastern avenue		37 78		37 78	
" Fulton street		159 70		159 70	
Widening Gay street		1,837 28	1,837 28		
Opening an alley Gold to Bloom street		65 43		65 43	
Closing Sumwalt lane		198 32	395 00		196 68
" Jew alley		122 55		122 55	
Opening Nanticoke street		144 88		144 88	
" Carroll street		166 19		166 19	
" Madison street		554 50		554 50	
" Race street	946 60				946 60

Opening Cooksie street ..	75 00	.....	.....	.....	75 00
" Patapsco street .	984 89	.....	.....	.....	984 89
" Bruce alley	.....	168 51	.....	168 51	.....
" Burke street . ..	231 00	.....	.....	.....	231 00
" a 70-foot street to continue East Fayette street	.....	420 79	.....	420 79	.....
Opening South Fulton avenue	.....	25 00	.....	25 00	.....
Opening Smallwood street	.....	402 52	.....	402 52	.....
Closing Fourth street ...	.....	250 00	.....	250 00	.....
" Truxton street ..	.....	38 50	.....	38 50	.....
	$105,208 08	$474,540 98	$280,215 69	127,238 03	$38,120 82

TABLE G.

Amount paid for paving streets.

		Dr.
Paving Gay street, six million loan	$	731 08
" Mulberry street, five million loan.		88 56
" East Baltimore street, five million loan		3,593 78
" Camden street		468 59
" Hollins street		1,280 60
" West Lexington street		21,384 12
" Eutaw street		29,763 58
" Calvert street, five million loan		9,755 59
" Fayette and Lexington streets		3,475 32
" Hanover street		63,521 47
" East Lexington street		21,096 52
" Broadway		2,316 27
" Columbia avenue		11,964 68
" Pennsylvania avenue		58,092 05
" St. Paul street		64,841 15
" Saratoga street		51,910 18
" Frederick avenue		75,541 05
" Franklin street		330 73
" Light street		11,007 00
" Poppleton street		303 75
" Holliday street		5,555 06
" Aliceanna street		3,976 15
" Front street		20,155 46
" East Baltimore street, six million loan		78,866 84

TABLE G—Concluded.

	Dr.
Paving Eager street	$ 24,966 18
" East Chase street	100,114 34
" Fort avenue	7,465 04
" Boston street	5,720 33
Macadamizing North avenue	6,433 05
Paving Read street	21,797 15
" Charles street, Annex	151 05
" Maryland avenue, Annex	28,711 01
" Calvert street, six million loan	4,830 82
" Lafayette avenue	29,839 36
" Race street	602 57
" Andre street	66 66
" Fairmount avenue	232 29
" Riggs avenue	291 08
" Sharp street, five million loan	415 40
" Chester street	148 89
" Hanover, Lexington street and Richmond Markets	41,766 27
" Concord street	36,051 69
" Davis street	233 50
" Fayettee street, Calvert to Liberty	10 00
	$849,866 26

STATEMENT H.

Showing the amount Expended in the Annex Territory.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Electric lights	$ 1,277 50	$ 481 70			$ 795 80
Gas	19,884 88	17,908 60			1,976 28
Gasoline	7,118 00	6,119 35			998 65
Lamplighters, salaries	13,500 00	13,633 14		133 14	
Fire Department	35,814 73	35,802 46			12 27
Cleaning streets	25,099 00	22,914 48			2,184 52
Nuisances	2,500 00	2,274 69			225 31
Repairs streets, &c	30,432 00	30,427 99	99 50		103 51
Health, salaries	3,800 00	3,799 80			20
Public Schools	120,000 00	119,999 68			32
Repairs City property	6,000 00	5,258 72			741 28
Inspector Buildings, livery, &c	300 00	300 00			

Extra help, Inspector Buildings	1,240 00	1,240 00			
City Collector, office expenses	2,600 00	2,599 92			08
Direct tax			144,756 43		144,756 43
Interest and discount		3,071 43	3,928 11		856 68
Refunded taxes		42 90		42 90	
Repairing Third avenue			1 50		1 50
Engine Company No. 18	23,000 00	22,999 61			39
Building Annex School No. 8	14,077 25	13,785 50			291 75
Fire-plugs at Carroll	250 00	250 00			
Smead system, No. 8 School	3,344 00	3,344 00			
Repairing Old York road	1,000 00	994 51			5 49
Repairing Gilmor lane	500 00	486 15			13 85
Repairing Lombard street	250 00	248 00			2 00
Repairing St. Paul street	300 00	295 00			5 00
Repairing Dorsey's lane	500 00	495 00			5 00
Repairing Old Pimlico road	500 00	495 78			4 22
Macadamizing Garrison lane	700 00	700 00			
Repairing Dellwood ave	500 00	497 79			2 21
Repairing Montebello ave	450 00	443 67			6 33

STATEMENT H—Concluded.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Rapairing Chesnut and Third avenue	$ 5,000 00	$ 4,991 47	.....	.....	$ 8 53
Repairing Slingluff ave..	1,000 00	996 00	.....	.....	4 00
Repairing Garrison lane.	600 00	587 23	.....	.....	12 77
Repairing Old Liberty road	1,000 00	998 48	.....	.....	1 52
Repairing Wilkens ave..	800 00	792 78	.....	.....	7 22
Repairing West Baltimore street	500 00	487 99	.....	.....	12 01
Macadamizing Franklin street	3,500 00	3,408 30	.....	.....	91 70
Repairing Loudon avenue	300 00	296 50	.....	.....	3 50
Repairing Twenty-fifth street	3,000 00	2,998 02	.....	.....	1 98

Fire-alarm box, Twenty-fourth street and Cedar avenue	350 00				350 00
Lot for Engine house	4,000 00	4,000 00			
To improve Jackson, Washington, &c., streets	139 34	139 34			
Repairing Stafford street.	700 00	698 55			1 45
Building addition to School No. 9	9,000 00	0 66 6,110 66			2,889 34
Purchase lot and building Male and Female Grammar School		5,340 89	30,000 00		24,659 11
Repairing Druid Hill ave.	305 23	305 23			
	$345,131 93	$343,061 31	$178,785 54	$176 04	$181,002 20

Statement of the Internal Improvement 1928 *Loan.*

	Appropriations.	Net amounts expended in 1889.	Net amounts expended in 1890.	Net amounts expended in 1891.	Net amounts expended in 1892.	Net amounts expended in 1893.	Receipts in 1892 and 1893.	Total expenditures.
Puchase of lot adjoining Eastern Female High School ..	$ 15,642 26	$15,642 26						$ 15,642 26
Purchase of lot and building Grammar School No. 20. ...	33,000 00	8,216 07	$ 24,666 63					32,882 70
Purchase of lot and building Annex School No. 4.....	26,000 00	5,471 75	20,517 85					25,989 60
Building addition to Primary School No. 11.....	12,000 00	11,253 76						11,253 76
Purchase of lot and building Primary School No. 32.....	33,000 00	11,803 15	21,000 00					32,803 15
Purchase of lot and building Primary School No. 33.....	31,000 00		30,953 80					30,953 80
Purchase of lot and building Primary School No. 24.....	28,500 00	12,222 65	16,277 35					28,500 00
Building Primary School No. 13.....	21,000 00	7,903 13	13,009 80	$ 87 07				21,000 00
Purchase of lot and building Annex School No. 3	25,000 00		24,466 22	42 53				24,508 75
Purchase of lot and building Primary School No. 31.....	23,500 00	2,504 00	20,445 92					22,949 92
Purchase of lot and building English-German School No. 5.....	40,000 00	15,255 08	24,389 77					39,644 85

Building Grammar School No. 8	21,000 00	6,661 75	14,338 25					21,000 00
Purchase of lot and building Colored Primary School No. 1	31,000 00							
Purchase of lot and building Annex School No. 13	30,000 00		18,676 94	11,323 06				30,000 00
Purchase of lot for Colored School No. 3	7,357 74			7,357 74				7,357 74
Building Manual Training School	25,000 00	12,230 68	12,769 32					25,000 00
Purchase of park in south-west Baltimore	45,000 00		44,500 00	500 00				45,000 00
Patterson Park extension	200,000 00	14,252 46	54,593 11	70,015 09	54,291 87	6,847 47		200,000 00
Carroll Park, repairs	5,000 00			5,000 00				5,000 00
Rebuild'g Light Street bridge	160,465 00	7,375 22	94,012 34	56,431 97	2,197 41			160,016 94
Cedar Avenue bridge	60,000 00	682 07	59,282 84					59,964 91
Wilkens Avenue bridge	6,000 00	5,965 34						5,965 34
Russell Street bridge	5,000 00		63 94	4,927 49				4,991 43
Monroe Street bridge	28,000 00		171 10	18,268 24				18,439 34
Boston Street bridge	19,000 00	132 57	17,553 98					17,686 55
Preston Street sewer	85,000 00	21,585 95	52,893 15	1,206 16		1,107 25		76,792 51
Mount Royal Avenue sewer	11,000 00	10,223 74						10,223 74
Fulton Avenue sewer	23,000 00	17,063 04	1,691 10	41 04				18,795 18
Ensor Street sewer	5,000 00	4,982 98						4,982 98
Lovegrove Alley sewer	21,000 00			20,299 91	697 42			20,997 33
Wolfe Street sewer	53,700 00	5,643 68	32,016 20	3,888 52	9,922 55			51,470 95
Presbury Street sewer	33,500 00	16,680 59	3,782 71		130 57	10,026 19		30,620 06
Low Street sewer	5,500 00	4,854 58	74 96					4,929 54
Jenkins Run sewer and extensions	88,250 00	3,676 77	32,895 24	46,248 11	5,228 94			88,049 06
Eager Street sewer	53,300 00	5,958 59	35,313 86	8,467 02	46 38			49,785 85
Eutaw and Fremont Street sewer	175,000 00	9,418 99	67,427 95	60,289 68	7,512 93	12,089 79		156,739 34

Statement of the Internal Improvement 1928 *Loan.*

	Appropriations.	Net amounts expended in 1889.	Net amounts expended in 1890.	Net amounts expended in 1891.	Net amounts expended in 1892.	Net amounts expended in 1893.	Receipts in 1892 and 1893.	Total expenditures.
Pulaski street sewer	$ 45,000 00	$ 2,580 61	$ 31,853 87	$ 659 98	$ 3,528 37	$ 1,324 96		$ 39,947 79
Eden Street sewer	36,500 00			26,087 46	30,539 67	1,063 49		57,690 62
Bush Street sewer	370,000 00			5,698 00	39,689 46	124,927 37		170,314 83
Carey Street relief sewer	275,000 00		7,222 40	121,339 18	101,163 41	44,404 98		274,129 97
Patapsco Street sewer	3,000 00	2,979 65						2,979 65
Patterson Park sewer	35,000 00	33,191 19	237 66					33,428 85
Cross Street sewer	112,000 00		4,339 82	76,017 96	19,837 55			100,195 33
Dolphin Street sewer	12,000 00		11,930 52					11,930 52
Howard Street sewer	16,000 00		4,108 79	11,890 01				15,998 80
Read Street sewer	38,600 00			11,751 88	24,747 30	1,432 54		37,931 72
McHenry Street sewer	17,700 00							
Ann and Gay Street sewer	11,000 00			9,766 83	227 81	58 50		10,053 14
Druid Hill Avenue sewer	190,000 00			10,691 51	54,569 32	78,032 72		143,293 55
Fulton Avenue and Eagle Street sewer	48,950 00			4,427 63	44,428 66	69 83		48,926 12
Pulaski and Franklin Street sewer	48,000 00			24,005 30	22,981 28	21 67		47,008 25
Inlets Wolfe Street sewer				1,203 46				1,203 46
Penn Street sewer	61,000 00				16,275 89	26,182 30		42,458 19
Hoffman Street sewer	12,600 00				6,437 93	6,159 56		12,597 49
Paving Cathedral street		23,391 11	38,049 13	4,051 26				65,491 50
Paving Monument street		87 51	4,464 58					4,552 09
Paving Dolphin street		5,051 28			604 95			5,656 23

Paving streets around Hanover Market	12,000 00		225 92	10,484 66		1,126 72		11,837 30
Paving Lafayette Market	15,500 00		882 25	13,041 15	1,576 60			15,500 00
Paving streets around Southern Police Station				2,354 46		259 01		2,613 47
Paving streets around Richmond Market				8,766 88	788 00			9,554 88
Paving Hollins street				11,233 87		1,280 60		12,514 47
Paving Camden street				4,208 29		468 59		4,676 88
Paving Sharp street				3,646 66		415 40		4,062 06
Paving Mulberry street					12,977 05	88 56		13,065 61
Paving Broadway					182,540 35	2,316 27		184,856 62
Paving Lafayette avenue					81,501 44			81,501 44
Paving West Lexington street					64,781 12	21,384 12		86,165 24
Paving Eutaw street					86 00	29,763 58		29,849 58
Paving Pennsylvania avenue	128,000 00				69,812 76	58,092 05		127,904 81
Paving Columbia avenue					87,471 36	11,964 68		99,436 04
Paving Calvert street					23,961 91	9,755 59		33,717 50
Paving Fayette and Lexington streets					3,627 26	3,475 32		7,102 58
Paving Chase street					10,585 34			10,585 34
Paving Arlington and Carrollton avenues and Lanvale street					17,092 88			17,092 88
Paving South street	2,600 00				2,500 07			2,500 07
Paving Hanover street					10,658 75	63,521 47		74,180 22
Paving East Baltimore street	8,000 00				2,995 17	3,593 78		6,588 95
Paving East Lexington street					14,687 40	21,096 52		35,783 92
Widening East Baltimore street	250,000 00	658 69	1,566 45	171,974 85	23,504 18	26 00	29,509 84	168,220 33
Widening Fayette street	550,000 00	681 51	100 90	4,514 15	577,103 08	148,686 18	181,352 92	549,732 90
Opening Douglas street	400,000 00		63,348 27	314,965 19			3,440 00	374,873 46
	$4,184,165 00	$306,282 40	$906,114 89	$1,167,174 25	$1,633,310 39	$691,063 06	$214,302 76	$4,489,642 23

THIRTY-FOURTH ANNUAL REPORT

— OF THE —

COMMISSIONERS

— FOR —

OPENING STREETS

— TO THE —

MAYOR AND CITY COUNCIL OF BALTIMORE,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS.

BALTIMORE, January 1st, 1894.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

We have the honor to submit to you a statement of the operations of this Department, from January 1st, 1893, to December 31st, 1893, inclusive.

The following list comprises the streets, alleys, &c., condemned, opened and closed during the above stated time; also the amount of damages, expenses and benefits and amount assessed to the Mayor and City Council for each and every street, &c., as follows:

OPENED.

Name of Streets, &c.	No. Ord.	Approved.	Damages.	Expenses.	Benefits.	Amount on City.
Randall street, from Covington street to Webster street	109	June 10th, 1889.	$ 6,942 33	$ 430 69	$4,807 50	$ 2,565 52
Webster street, from Randall street to Fort avenue	109	June 10th, 1889.	4,384 20	390 68	1,710 57	3,064 31
Clement street, from Hanover street to Race street	114	June 8th, 1889.	9,349 98	412 55	2,967 25	6,795 28
Bouldin alley, from Baker street to Bloom street	106	October 11th, 1887.	10,818 79	1,125 88	6,094 89	5,849 78
Kirby or Dorsey's lane, from Franklin street to Edmondson avenue	130	November 4th, 1886.	1,375 00	435 82	1,035 62	775 20
Covington street, from Cross street to Fifth lane	12	March 19th, 1891.	36,790 91	808 94	6,535 00	31,064 85
St. Paul street, from Lexington street to Dark lane	63	April 28th, 1892.	42,610 93	624 35	9,372 93	33,862 35
Etting street, from Baker street to North avenue	71	May 4th, 1892.	11,886 67	570 45	4,187 03	8,270 09
Townsend street, from Belair avenue to Cannon street	88	May 20th, 1891.	17,297 75	336 73	8,287 84	9,346 64
Chase street, from Washington street to Patterson Park avenue	106	May 31st, 1890	12,235 88	497 06	5,021 00	7,711 94
Collington avenue, from Monument street to Biddle street	107	May 31st, 1890	30,672 86	595 06	19,831 37	11,436 55
Stockholm street, from Washington avenue to Wicomico street	146	June 20th, 1890.	28,454 05	1,303 40	6,667 45	23,090 00
Port alley, from Baltimore street to Fairmount avenue	89	May 20th, 1891	4,642 50	320 90	2,711 49	2,251 91
Federal street, from Patterson Park avenue to Cannon street	160	October 28th, 1889.	27,150 00	644 89	9,982 50	17,812 39
Totals			$244,611 85	$8,497 40	$89,212 44	$163,896 81

CLOSED.

Sumwalt's lane, from Charles street avenue to Maryland avenue	49	May 1st, 1891	$ 132 50	$ 262 50	$ 395 00
Jew alley, north from Marion street, about 73 feet 7 inches	112	May 3d, 1893	1,145 25	229 83	1,375 08
Totals			$245,889 60	$ 8,989 73	163,896 51

Streets, Alleys, &c., in Process of Opening.

Name of Street.	No. of Ordinance.	Approved.
Clement street, from Lawrence street to Hull street	136	June 4, 1880.
Morton alley, from John street to Hoffman street	96	May 25, 1882.
An alley ten (10) feet wide, from the north side of McElderry street to an alley ten (10) feet wide, now open, between Eden street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the north side of Orleans street to the south side of Jefferson street, between Central avenue and Eden street	97	Oct. 20, 1883.
An alley nine (9) feet nine (9) inches wide, from the north side of Monument street to an alley ten (10) feet wide, between Eden street and Spring street.	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the south side of Monument street to an alley ten (10) feet wide, now open, between Caroline street and Spring street	97	Oct. 20, 1883.
An alley ten (10) feet wide, from the north side of Madison street to the south side of Chew street, between Caroline street and Dallas street	97	Oct. 20, 1883.
An alley twelve (12) feet wide, in the centre of Kirby's or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property	33	April 3, 1884.
Patuxent street, from Monument street to Eastern avenue	47	April 29, 1884.
Clarkson alley, from Barney street to Moale street	112	May 29, 1884.
Race street, from Barney street to Moale street	113	May 29, 1884.
Henry street, from Clement street to Fifth lane	77	May 14, 1885.

Beason street, from Decatur street to the property of H. A. Ramsay & Co.....	93	Oct. 17, 1885.
South Paca street, from Stockholm street to West street.....	23	April 6, 1887.
Patapsco street, from Baltimore street to Monument street.....	81	May 17, 1887.
Port alley, from Aliceanna street to Lancaster street.....	86	May 18, 1887.
Elizabeth lane, from Randall street to Heath street.....	54	May 2, 1888.
Dallas street, from Oliver street to Hoffman street.....	115	Oct. 16, 1888.
Rope Walk lane, from Randall street to Heath street.....	36	April 26, 1889.
Towson street, from Fort avenue to Marriott street.....	70	May 23, 1889.
Patterson avenue, from Fulton avenue to Monroe street.....	98	June 8, 1889.
Florence street, from Fulton avenue to Retreat street.....	99	June 8, 1889.
Francis street, from Retreat street to Whitelock street.....	101	June 8, 1889.
Morris alley, from North avenue to Druid Hill Park.....	103	June 8, 1889.
Bouldin alley, from Laurens street to Wilson street.....	110	June 10, 1889.
Stoddard alley, from Mosher street to McMechen street.....	148	Oct. 9, 1889.
An alley ten (10) feet wide, from McKim street to Hillman street.....	149	Oct. 9, 1889.
Baltimore street, from its present terminus to the western City limits.....	150	Oct. 15, 1889.
Nicholson street, from Decatur street to Cooksie street.....	161	Oct. 28, 1889.
Burke street, from Oliver street to Belair avenue.....	162	Oct. 28, 1889.
Madison street, from Washington street to Patterson Park avenue.....	111	June 2, 1890.
Porter street, from Claggett street to Beason street.....	171	Oct. 27, 1890.
Dallas street, from Oliver street to Lanvale street.....	50	May 1, 1891.
Ridgely street, from Ostend street to Gwynn's falls...	77	May 8, 1891.
Lanvale street, from Patterson Park avenue to Cannon street.....	87	May 20, 1891.
Luzerne street, from Hudson street to Boston street.....	91	May 23, 1891.

Streets, Alleys, &c., in Process of Opening.—Continued.

Name of Street.	No. of Ordinance.	Approved.
All the property between East street and Chestnut street, from the north side of Fayette street to a point 147 feet northwardly from the north side of Douglas street	95	May 25, 1891.
Forrest street, from a point 157 feet 2 inches from the south side of Douglas street southwardly to Fayette street	97	May 25, 1891.
An alley ten (10) feet wide, from Second street to First street, between Calvert street and Hargrove alley	111	June 4, 1891.
Ducatel street, from Madison avenue to Bolton street	121	June 13, 1891.
Wolfe street, from North avenue to Lake avenue	123	June 16, 1891.
Myrtle avenue, from Fulton avenue to Pulaski street	129	June 23, 1891.
Payson street, from North avenue to Clifton avenue	130	June 23, 1891.
Pulaski street, from North avenue to Clifton avenue	131	June 23, 1891.
Ensor street, from Eager street to Chase street	44	April 4, 1892.
Ludlow street, from Claggett street to Fort avenue	72	May 4, 1892.
West street, from Paca street to Burgundy alley	94	May 11, 1892.
Burrow street, from Fort avenue to Claggett street	95	May 27, 1892.
Fulton avenue, from its southern terminus to Carroll Park	105	Oct. 17, 1892.
Gay street, from Exeter street to Jones' falls	106	Oct. 17, 1892.

An alley fifteen (15) feet wide, from Gold street to Bloom street	23	March 6, 1893.
Nanticoke street, from Bayard street to Bush street	80	April 20, 1893.
Cleveland street, from Bayard street to Bush street	87	April 20, 1893.
Chew street, from Chester street to Patterson Park avenue	88	April 20, 1993.
Carroll street, from Bayard street to Bush street	89	April 20, 1893.
Chase street, from Patterson Park avenue to Grove alley	114	May 3, 1893.
Lanvale street, from Wolfe street to Washington street	130	May 8, 1893.
Fairmount avenue, from Luzerne street to eastern City limits	131	May 8, 1893.
Madison street, from Patterson Park avenue to Grove alley	132	May 8, 1893.
A street seventy (70) feet wide, from Luzerne street to eastern City limits	133	May 8, 1893.
Townsend street, from Broadway to Washington street	165	May 12, 1893.
Northwest street, from Calhoun street to Fulton avenue	176	May 22, 1893.
Smallwood street, from Pratt street to Fayette street	179	May 22, 1893.
Bruce alley, from Baker street to North avenue	181	May 22, 1893.

Name of Street.	No. of Ordinance.	Approved.
Point lane, from Ensor street to North avenue	84	May 23, 1882.
Kirby's or Dorsey's lane, from Lanvale street to the Harlem Stage Company's property	94	Oct. 20, 1883.
An alley, from Madison street to an alley ten (10) feet wide, between Eden street and Spring street	97	Oct. 20, 1883.
V alley, between Barre street and Welcome alley	91	Oct. 8, 1885.
Kirby's or Dorsey's lane, excepting twelve (12) feet in the centre thereof, from the south side of the Harlem Stage Company's property to the south side of Winchester street	104	July 3, 1886.
Kirby's or Dorsey's lane, excepting twelve (12) feet in the centre thereof, from Lanvale street to the Harlem Stage Company's property	116	Sept. 17, 1886.
Butcher's lane, from Calhoun street to North avenue	61	May 2, 1888.
Fourth lane, from Hanover street to Light street	22	March 29, 1889
Brown's lane, from Eden street to Caroline street	111	June 10, 1889.
Truxton street, from Forrest street to Concord street	111	Oct. 17, 1892.
Clifton place, from Truxton street to Eager street	111	Oct. 17, 1892.
Grove street, from Truxton street to Eager street	111	Oct. 17, 1892.
Half Moon alley, west of Chestnut street	96	May 25, 1891.

Comet street, from a ten-foot alley to a fence corner there situated	105	May 27, 1891.
An alley thirty-three (33) feet wide, from the York road to about one hundred and thirty-three feet south of Huntingdon avenue	25	March 6, 1893.
Fourth street, south of Fort avenue	118	May 3, 1893.

Streets, Alleys, &c., Ordinance Repealed.

Ordinance Repealed.	No. of Ordinance.	Approved.
Ordinance No. 130, approved November 4th, 1886, to condemn and open Kirby's lane, from Franklin street to Edmondson avenue	210	Oct. 5, 1893.

We respectfully suggest that there is pressing need of an official list of the streets, lanes and alleys of the city, showing their location, lines and dimensions, and embodying a history of each, disclosing the time and manner of its origin and the changes it has undergone from time to time. Such a work would be valuable for reference, since nothing of the kind is in existence now. It should define the limits of the highway; declare whether it is public or private; show when it was opened and by what process—whether by condemnation, dedication, or otherwise, and what changes of name it has undergone, together with such other information as would prove useful to the average inquirer. To compile such a record properly will require intelligent work and research, but it would prove a most valuable acquisition when completed. The absence of such a convenience is embarrassing now, and its absolute necessity will be intensified and accentuated in the experience of the future.

Respectfully submitted,

SAMUEL F. SHARRETTS,
LOUIS BECK,
JAMES R. BREWER,
Commissioners.

ROBERT F. GREEN,
Clerk.

ANNUAL REPORT

OF THE

CITY LIBRARIAN

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

City Library,

Baltimore, Md., December 30, 1893.

To the Honorable the Mayor
and City Council of Baltimore, Md.:

Gentlemen:

Section 2 of Article XXXII of the City Code requires an annual report of this department, which is hereby respectfully submitted.

The appropriation of two hundred dollars for copying Poppleton's Plat of the City of Baltimore was used. It was copied by E. D. Richardson, in four sections, upon the best mounted paper, and each section enclosed in a tin case.

During the year there have been 2,339 visitors to the Library, of whom 824 registered their names. There were besides 3,360 business calls from the departments and the public. The former have made 526 requisitions for stationery, printing and books of record, the cost of which will be found charged to the various offices in an annexed statement.

In July last I received the following letter:

BALTIMORE, July 27, 1893.

GEORGE C. WEDDERBURN, ESQ.,

City Librarian:

DEAR SIR:

I am going to begin work before long preparing (under the direction of Dr. Adams, of the Johns Hopkins University,) a pamphlet on "The Early History of Municipal Government in Baltimore." I desire to know if I can have free access to the documents which will help me in writing the history. I feel under many obligations for the courtesy you showed me when I visited the Library recently.

Very sincerely,

(Signed), T. P. THOMAS,

of the Woman's College.

In response he was notified (by permission of His Honor the Mayor) that he would be allowed "free access to all the documents in this department for the purposes stated." In this connection I would state that it is a most important matter that the early records of Baltimore should be properly edited and published as a history of the city, and that the originals should be better provided for.

I have again to ask that the temporary clerk in this

office be made a permanent one at a proper salary, and be bonded as other officials are.

I would again respectfully suggest the appointment of a Committee on the Library. It is important for many reasons, and especially as all large cities have such a committee where the expenses of their libraries are entirely provided for by the corporation.

More room is badly needed, since all rooms and cases are overcrowded. The number of books and pamphlets received during the year amounted to 2,363 volumes, making in all a total of 25,562 volumes now in this Department.

A telephone is in daily demand in the Library for a more prompt transaction of its business and to economize in the time of its employees, who are frequently required to do messenger service. Besides this, it will be a great convenience to the members and officials of the City Council themselves, as the Library adjoins the Chambers and is always kept open during its sessions.

There were eight proposals for supplying the several departments of the City Government with stationery, blank-books and printed matter for 1894, viz.: Messrs. Schaefer & Herold, F. W. Koch & Co., C. Stanley Stirling, James Young, Hanszche & Co., John Murphy & Co., Maryland Publishing and Forwarding Co., and the Wm. J. C. Dulany Co. The latter, being the lowest bidders, were awarded the contract. The difference in prices will reduce the cost for the year 1894 about $2,500.

ADDITIONS TO THE LIBRARY.

The following books, documents, pamphlets, &c., have been received during the year: Austin, Texas, Annual Reports, 1892; Alleghany, Penn., Financial Reports, 1892 and 1893; Atlanta, Ga., Annual Reports, 1892; Brooklyn, N. Y., Message and Reports (2 copies), 1892 and 1893; Buffalo, N. Y., Annual Reports, 1891; Boston, Mass., Auditor's Report (2 copies), 1892 and 1893, Annual Report Registry Department, 1892, Reports Superintendent of Streets, 1891 and 1892, School Reports, 1892, and Address of Alexander Graham Bell, 1892; Charleston, S. C., Year Book, 1891–1892; Chicago, Ill., Reports Department of Finance, 1891 and 1892; Health Department, 1892, and Reports Public Works, 1892; Cincinnati, Ohio, Mayor's Message, 1893; Concord, N. H., Annual Reports, 1892; California, "Southern California Illustrated," from Southern Pacific Railroad Company, and Report Bureau of Information; Detroit, Mich., Annual Reports, 1891, and Mayor's Message, 1893; Gloucester, Mass., City Documents, 1892; Grand Rapids, Mich., Reports Police and Fire Department, 1893; Hartford, Conn., Year Books, 1889, 1890, 1891 and 1892; Indianapolis, Ind., Biennial Report State Board of Statistics, 1891 and 1892; Jacksonville, Fla., Mayor's Message, 1892; Kansas City, Mo., Comptroller's Reports, 1890, 1891, 1892, and Report of Board of Public Works, 1892; Lynn, Mass., City Documents, 1892; Louisiana, Reports, Agriculture, 1891–92, Attorney-General, 1880–81, Auditor, 1890–91, Education, 1890–91, State Department, 1890–91, and Treasurer's Department, 1890–91; Memphis, Tenn., Biennial Report Fire and Police Department, 1891–92; Michigan, Report

State Board of Health, 1890, and Proceedings Sanitary Convention held at Staunton, April, 1993; New Bedford, Mass., City Documents, 1888, 1889, 1890 and 1891; New York City, Reports, Commissioner of Taxes and Assessments, 1891, 1892, Department of Parks, 1872 and 1873, (last published,) Health Department, 1889, 1890, 1891, Department of Public Works, 1887, 1888, 1889, 1890, 1891, and March and June, 1892, Police Justices, 1892, Transportation and Quarantine, 1893, Electoral College, 1893; New Orleans, Report Fire Department, 1892; Newport, R. I., City Documents, 1892; Newark, N. J., Mayor's Message, 1893; Omaha, Neb., Annual Reports, 1892; Philadelphia, Pa., Message and Reports, 1891, 4 Vols., viz.: "Finance," "Public Safety," "Public Works," "Education, Charities and Correction," also Comptroller's Report, 1892; Pennsylvania, (State) Reports, Treasurer's, 1885, 1886, 1887, 1888, 1890, 1891, Internal Affairs, 1888, 1889, 1890, 1891 (16 Vols.), Adjutant-General, 1886, 1887, 1888, Auditor's, 1886, 1887, 1889, and Attorney-General, 1889–90; Providence, R. I., City Documents, Vols. 1 and 2, 1892; Portland, Me., Municipal Reports, 1892–93; San Francisco, Cal., Municipal Reports, 1891, 1892; Springfield, Mass., Municipal Register's, 1891, 1892; St. Paul, Minn., Annual Reports, 1891, 1892; Savannah, Ga., Municipal Reports, 1892; Salem, Mass., City Documents, 1892; Salt Lake City, Utah, Revised Ordinances, 1892; St. Louis, Mo., Comptroller's Reports, 1892–93, and Mayor's Message, 1893. From Albert A. Pope, of Boston, Catalogue of Books and Pamphlets containing articles on Construction of Roads; Errors in School Books; Wagon Roads as Feeders to Railways; Improvement of City Streets; Movement for Better Roads; Highway Improvements and Roads Their Construction and Maintenance.

FOREIGN REPORTS.

Berlin, Germany, Municipal Reports, April 1, 1891, to March 31, 1892; Halifax, N. S., City Civic Reports, 1891–92; Montreal, Can., Annual Reports, 1891; Paris, France, Catalogue Government Library, Public or Visitors' Section, also Copy of French Section, (it contains a complete list of the Public Documents of Baltimore); Reports, Receipts and Expenses City of Paris, (4 Vols.), years 1885 and 1886; Russia, Famine Relief Commission, 1892; London, Howard Association Report (1893) for "Promotion of Best Methods to Prevent Crime;" The Human Body the Temple of God, &c., from Victoria C. Woodhull, also Thirty-third Annual Report of the Borough of Doncaster Free Library Committee; Japan, Educational Society, Weights and Measures, Exhibits at World's Fair 1893 and its Meteorological System, General View of Commerce and Industry, History of Postal Service, Telegraph, Mercantile, Marine and Fisheries.

FEDERAL PUBLICATIONS.

Agricultural Department: Annual Reports of the Secretary, 1889, 1890, 1891, 1892; Reports, Bureau Animal Industry, 1890, 1891, 1892; Chief of the Weather Bureau, 1892; Forecasting of Thunder-Storms, 1892; Climate of Chicago; Hog Cholera, 1889; Swine Plague, 1891; Sheep Industry, 1892; Diseases of Cattle, 1892; Diseases of the Horse, 1890; Parasites of Sheep, and Bulletin No. 8, 1893; Annual Reports Chief Signal Corps, 1889 (2 Vols.), 1890, 1891; Special Reports, 1891; Instructions for Observers; Meteorological Review,

California, 1889; California Weather, 1892; Temperature of the Dew Point; Relative Humidity and Vapor Pressure; Depth of Evaporation; Meteorological Work for Agricultural Institutions; Climate and Meteorological of Death Valley, California; Magnetic Observations; Relations of Soil to Climate; Moisture and Crop Distribution; Fluctuations in the Level and Rate of Movement in Ground Water; Diurnal Variations in Barometric Pressure; Michigan Forest Fires; Use of Homing Pigeons; Service in the Arctic Regions; Use of the Spectroscope; Variations of Rain Fall; Wind Velocities of Chicago; Study of Meteorology in Germany; Lady Franklin Bay Expedition; Elements of the Heliograph; Extracts from Annual Reports, Nos. 3, 4, 6, 8, 11, 13, 14, 15; Monthly Weather Review, 1890, 1891, 1892; Index, 1887, 1888, 1889; Thermometer Exposure; Reduction of Air Pressure to Sea Level, West of the Mississippi; Climates of Arizona, Colorado, California, Nevada, New Mexico and Utah; International Charts, 1882, 1883, 1884, 1887, and Manual of Signals.

Attorney General: Annual Reports, 1889, 1891 and 1892.

Congress: From Hon. James Kerr, Clerk House of Representatives, Rules and Practice Fifty-second Congress; Congressional Directory, 1893; Reports Coal Combination, 1883, and Sweating System, 1893.

Interstate Commerce: Annual Report of the Commission, 1892.

Interior Department: Annual Reports: Secretary, 1891 (3 Vols.), 1891–92; Commissioners "Education,"

1889-90 (2 Vols.), 1892; "Pensions," 1891–92; "Railroads," 1892; Government Hospital for Insane, 1892; Freedman's Hospital, 1892; Union Pacific Railroad, 1892; Yellow Stone Park, 1892; Yosemite National Park, 1891, 1892; Utah Commission, 1892; Sequoia and General Grant Parks, 1892; Architect United States Capitol, 1892; Columbia Institute Deaf and Dumb, 1892; Howard University, 1892; Eastern Band Cherokee Indians, 1892; Labor, 1891; Index and Analysis of all Labor Reports prior to November, 1892; Second Special Report Department of Labor, 1892; Fifth Special Report the Gothenburg System of Liquor Traffic; Sixth Special Report the Phosphate Industry of the United States; also of Governors of Alaska, Arizona, Oklahoma, New Mexico and Utah for 1892.

From the Bureau of Education: Biological Teaching in Colleges of the United States, 1891; Statistics of Public Libraries in the United States and Canada, 1884, 1885 and 1893; History of Higher Education in Ohio, 1891; Abnormal Man-education and Crime and Related Subjects; Benjamin Franklin and the University of Pennsylvania, 1892, and Shorthand Instruction and Practice, 1893; Handbook of University Extension; Department of Labor, Annual Reports 1891 (2 Vols.), Cost of Textiles and Glass.

Navy Department: Reports of the Secretary for 1889, 1890, 1891 and 1892.

Smithsonian Institute: United States National Museum Reports, 1886, Part II, 1887, 1888 and 1889.

State Department: Consular Reports Nos. 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159.

Special Consular Reports, "Fire and Building Regulations in Foreign Countries;" "Australasian Sheep and Wool," and Gas in Foreign Countries. Reports United States Commissioners Paris Universal Exposition, 1878, viz.: Agricultural Implements; Agricultural Products; Ceramics; Chemical Processes; Cotton Culture; Education; Forestry; Fine Arts; Glass and Glassware; Horticulture; Iron and Steel; Live Stock; Machines and Machine Tools; Mining Industries; Political Education; Pisciculture; Railway Apparatus; Steam and Gas Engines; Textile Fabrics; Wood Carving, and Extradition Report and Extradition Returns of all cases from 1842 to 1890 Indexed. Payments of awards under Convention between United States and France 1803 to 1831, and of Spain 1819; Principal Exports to the United States at the Several Consulates; Commercial Relations of the United States with Foreign Countries, 1891–92.

Treasury Department: Annual Reports Department of Finance, 1890, 1891, 1892; Report Life-Saving Service, 1890.

War Department: Army Register, 1893; United States Army Atlas, 1892; Professional Papers Corps of Engineers, 1892; Reports of the Chief Engineer, 1890, 1891 (10 Volumes), also Parts 1, 2, 3 and 4 for year 1892, and Report of the Chief of Ordnance, 1872; Report Judge Advocate-General, 1893, and a Catalogue of Additions to War Department Library from 1884 to 1891.

STATE AND CITY'S PUBLICATIONS.

From State Librarian: Senate Journals, 1872, 1878, 1880, 1882, 1884, 1886, 1888 and 1890.

From State Comptroller: His Reports, 1859, 1860, 1870 and 1892.

From Insurance Commissioner: His Report for 1892.

From World's Fair Managers: Maryland: Its Resources, Industries and Institutions.

From President Charles F. Mayer: Reports Baltimore and Ohio Railroad Company, for 1858, 1860, 1861, 1863, 1864, 1866, 1867, 1868, 1869, 1870, 1871, 1875, 1876, 1881, 1882, 1887, 1889, 1890, 1891 and 1892.

From Mr. George C. Wilkins, General Agent Northern Central Railroad Company: Annual Reports, 1855 to 1862, and 1867 to 1891, inclusive.

From Hon. Henry G. Davis, President: Reports West Virginia Central and Pittsburg Railway Company, from the years 1882 to June, 1892, inclusive.

From President John L. Rogers, Baltimore Corn and Flour Exchange: Annual Reports 1880 to 1892, inclusive.

From A. S. Abell Company: Sun Almanac, 1892; Maryland, Its Resources, Industries, &c., 1893.

Through Judge William A. Fisher: Reports of the

Thomas Wilson Sanitarium for the years 1885 to 1893, inclusive.

From Maryland Historical Society: Their Catalogue of Painting, Statuary, &c., 1893.

From Hon. Frank T. Shaw, copies Tax Commissioners' Annual Reports for 1881, 1883, 1885, 1888, 1890 and 1892.

From Mr. T. P. Thomas: The Early History of Municipal Government. (Johns Hopkins.)

From the City Printer, Mr. John Cox, 140 copies Mayor's Message and Reports bound in sheep, and 60 copies in morocco, for 1892; 159 Journals of the First and Second Branches each of the City Council, 1892–3, and 200 Ordinances and Resolutions, 1892–3.

From City Comptroller, Plats and Street Books of Eastern and North avenues, Spring street from Oliver to Townsend, Pinkney street from Cross to Stockholm, Townsend street from Harford avenue to Caroline, Durham street from Oliver to North avenue, and Cleveland street from Bayard to Stockholm; Reports of Buffalo, Cincinnati and Detroit, and his own Reports, for 1875, 1876, 1878, 1883, 1886, (32 copies), 1888, 1889, 1890, (8 copies), 1891, (19 copies); Financial Reports of the Mayor and City Council, for 1887, (4 copies), 1889, (5 copies), 1890, (20 copies), and 1891, (3 copies); Mayor's Messages for 1860 to 1879, 1877, 1886, 1887, 1888, 1890; First Branch Journals for 1871–2, 1873–4, 1875–6, 1877–8, 1878–9, 1880–1, 1881–2, 1882–3, 1883–4, 1884–5, 1885–6, 1886–7, 1887–8, 1888–9, 1889–90, 1890–91.

Second Branch Journals for 1876–7, 1877–8, 1878–9, 1879–80, 1880–1, (2 copies), 1881–2, 1882–3, 1883–4, 1884–5, 1885–6, 1886–7, 1887–8, 1888–9, 1889–90, 1890–1; Laws of Maryland for 1807 to 1812, 1813 to 1815, 1880; Revised Ordinances of 1858; American Commercial Law for Business Men, and Ordinances of 1801, with Act of Incorporation.

From Warden Weyler, Maryland Penitentiary Annual Reports for 1870, 1872, 1874, 1885, 1887, 1880, 1890, 1892, and the Rules and Regulations of 1871.

From Rev. Z. L. Zinkham, the 2d, 11th, 13th, 14th, 17th and 19th to 24th Annual Reports of the Prisoners' Aid Association.

From the Enoch Pratt Library, Report for 1892, and "Finding Lists," 1893.

From Water Department, Cash Book for 1891, 13 Turn-off Books and 198 Annual Reports of various years.

The following Reports and Pamphlets have also been received: Society for the Suppression of Vice; Board of Trade, 1884 to 1893; Baltimore Manual Training School, 1892–3; Female House of Refuge, 1892; Year Book of Mount Vernon M. E. Church, (through Thomas W. Brundige), 1893; Canton Company, 1893; History of the Maryland School for the Deaf and Dumb, 1893; Maryland Institute, 1893; Programme of Woman's College, 1893–4; Address of Governor Brown to the Tax Commission; Maryland School for the Blind, 1892; House of Refuge for Boys, 1892; Lunacy Commission,

1892; Road Question, 1892; Baltimore Trust and Guarantee Company vs. City, 1893; Lake Roland Company vs. City, 1893; Dental Department, University of Maryland, 1890–91 to 1892–3; Hebrew Hospital, 1892; Merchants and Manufacturers' Association, 1893; Resolutions in favor of Dr. N. C. Brooks, 1892; Mount Hope Retreat, 1892; Catalogue of McDonogh School, 1892–3, and Report of the Trustees for 1892; Johns Hopkins University, Annual Report of 1893, and Preliminary Register of Students, 1893–4. There have also been received a number of Publishers' Catalogues of Books, both foreign and domestic.

BOOKS PURCHASED.

City Directory, 1892; Daily Record, July 1st to December 31st, 1892, and January 1st to June 30th, 1893; Art Work of Baltimore, in 12 parts; Booth's Street Railways; Walker, on Patents, and Dillon's Municipal Corporations.

BOOKS BOUND.

The following pamphlets and books have been bound or rebound: Maryland Penitentiary, 1867 to 1892; Mount Hope Retreat, 1864 to 1891; West Virginia Central and Pittsburg Railroad, 1882 to 1892; Northern Central Railway Company, 1849 to 1866, 1867 to 1877, 1878 to 1884, 1885 to 1891 (4 Vols.); Baltimore and Ohio Railroad, 1849 to 1887 (3 Vols.); Proceedings of the Commissioners of Baltimore City, February 6th, 1815, July 30th, 1818, April 3d, 1809, to April, 1844, July, 1811, to March, 1825, (4 Vols.); Prisoners' Aid

Association, 1870 to 1892; School Reports, 1890–1892; American Commercial Law; Baltimore Board of Trade, 1884 to 1892; Baltimore Corn and Flour Exchange, 1880 to 1892; Park Commission, 1852 to 1878; Art Work of Baltimore and Street Books, viz.: Ann, Allen Andre, Belvidere, Beason, Brevard, and East Baltimore, Covington, Calhoun, Cannon, Chase, Donaldson, Etting, Eastern avenue, Fifth lane, Lovegrove alley, Mount, Madison, North avenue, Nanticoke, Pulaski, Russell, Riggs avenue (6 Vols.); City Directory, 1892, and Insurance Reports, 1891 to 1893, inclusive, also two volumes Baltimore *Sun*, July 1st to December 31st, 1892, and January 1st to June 30th, 1893; two volumes *Daily American* and two volumes *Morning Herald*, same dates, and one volume *Evening News*, July 1st to December 31st, 1892.

BOOKS CONTRIBUTED OR EXCHANGED.

Copies of the Mayor's Message and Reports for 1892 have been sent to the Mayors of the following cities: Atlanta, Ga., Alleghany, Pa., Austin, Tex., Buffalo, N. Y., Boston, Mass., Berlin, Germany, Brooklyn, N. Y., Chicago, Ill., Cincinnati, Ohio, Concord, N. H., Charleston, S. C., Detroit, Mich., Gloucester, Mass., Grand Rapids, Mich., Hartford, Conn., Halifax, N. S., Jacksonville, Fla., Lynn, Mass., London, Eng., Kansas City, Mo., Montreal, Canada, Memphis, Tenn., New York City, N. Y., New Orleans, La., Newport, R. I., Newark, N. J., New Haven, Conn., New Bedford, Mass., Omaha, Neb., Philadelphia, Pa., Paris, France, Portland, Me., Portland, Ore., Providence, R. I., San Francisco, Cal., St. Louis, Mo., Springfield, Mass., Salem, Mass., St. Paul, Minn., Salt Lake City, Utah, Toronto, Canada,

Washington, D. C., State Library, Smithsonian Institute, Peabody Institute, Johns Hopkins University, Library of Congress and French Minister.

The following books have been given out, upon the order of His Honor the Mayor, viz.: Baltimore City Code of 1879, 6 copies; Supplement of 1885, 7 copies; Council Journals of 1890–91, 4 copies, 1891–92, 4 copies; Ordinances and Resolutions, 1856–57, 2 copies, 1857, 1 copy, 1880, 1 copy, 1881, one copy, 1882, 1 copy, 1884, 1 copy, 1885, 3 copies, 1886, 3 copies, 1886-87, 3 copies, 1887, 2 copies, 1887-88, three copies, 1888–89, 4 copies, 1889–90, 3 copies, 1890–91, 3 copies, 1891–92, 11 copies; one copy Public Local Laws; Annual Reports, 1888, 2 copies, 1890, 3 copies, 1891, 4 copies; Reports City Register, 1887 to 1892, inclusive, and 1 copy History City Hall.

CITY CODE 1892.

As stated in my report December 31st, 1892, I received from Messrs. King Brothers 800 copies of the City Code of 1892, and under Section 4 Ordinance No. 139, approved October 7th, 1891, I make this statement as to their disposition, viz.:

To Departments, &c	43	Copies.
Mayor's Office, charged	4	"
First Branch City Council	10	"
Second Branch City Council	5	"
Sold in 1892 and accounted for	12	"
Sold in 1893 and accounted for	12	"
Delivered to Hon. John P. Poe's order, as per order No. 621 of Mayor's Office, dated July 24th, 1893, for correction	714	"
Total	800	Copies.

During October I received back from the binder 709 copies corrected, rebound and dated 1893. Five copies were retained by Mr. Poe, making the total 714.

I have distributed the following books, as authorized by law to do, viz.: Public Local Laws, 1 copy; Ordinances and Resolutions, 1878–79, 1 copy; 1888–89, 1 copy; 1890–91, 2 copies; 1891–92, 50 copies; 1892–93, 25 copies; Council Journals, 1891–92, 8 copies; 1892–93, 86 copies, and Messages and Reports, 1892, 57 copies.

STATEMENTS.

The following Warrants have been drawn during the year 1893, *against the Appropriation for the City Library.*

Date.	Warrants.	To Whom Paid.	Amounts.	Remarks.
1893.				
Jan. 5	1122	James McCluskey	$ 1 50	Moving File Cabinet.
" 31	1123	E. B. Towson	60 00	Salary.
Feb. 3	1124	Wm. J. C. Dulany Co.	440 71	Contractors.
" 3	1125	A. S. Abell Co.	5 75	Job Printing.
" 11	1126	Postage Stamps	5 00	
" 16	1127	Adams Express	40	Books from New Bedford.
" 20	1128	Adams Express	50	Books from Hartford, Ct.
" 28	1129	E. B. Towson	60 00	Salary.
Mar. 1	1130	U. S. Express	30	Books from Annapolis.
" 1	1131	Adams Express	35	Books from New York.
" 1	1132	Adams Express	35	Books from New York.
" 2	1133	Wm. J. C. Dulany Co	1,333 33	Contractors.
" 7	1134	Daily Record Publishing Co	3 00	9th vol. of Daily Record.
" 24	1135	A. S. Abell Co	60 75	Job Printing.
" 27	1136	S. S. Ely, Express	40	Books from New York.
" 27	1137	John Cox	29 40	Report 1892.
" 30	1138	Wm. J. C. Dulany Co.	916 03	Contractors.

Mar.	30	1139	E. B. Towson	60	00	Salary.
"	30	1140	Mrs. T. Walsh	4	50	Washing Towels.
"	30	1141	Daily American	1	62	
"	30	1142	Daily Herald		79	
"	30	1143	Glenn & Jackson	6	20	Stationery.
Apr.	7	1144	R. L. Polk & Co	5	00	
May	1	1145	E. B. Towson	60	00	Salary.
"	1	1146	Wm. J. C. Dulany Co.	924	93	Contractors.
"	18	1147	R. C. McLanahan	28	10	Binding.
"	18	1148	Meals During Council	24	50	
"	31	1149	E. B. Towson	60	00	Salary.
June	1	1150	Wm. J. C. Dulany Co.	1,301	97	Contractors.
"	8	1151	Wm. H. Parish Publishing Co.	19	80	Art Work of Baltimore.
"	9	1152	F. Weber & Co	7	00	Paper Poppleton's Plat.
"	29	1153	E. B. Towson	60	00	Salary.
"	29	1154	Mrs. T. Walsh	4	50	Washing Towels.
"	29	1155	Daily American	1	62	
"	29	1156	Daily Herald		79	
"	29	1157	Wm. J. C. Dulany Co.	178	08	Contractors.
July	1	1158	Wm. J. C. Dulany Co	475	00	Fire Department.
"	17	1159	Daily Record Publishing Co	3	00	10th vol. Daily Record.
"	31	1160	E. B. Towson	60	00	Salary.
Aug.	3	1161	Wm. J. C. Dulany Co.	199	62	Contractors.
			Amount carried forward	$6,404	79	

Warrants Drawn during the year 1893—*Continued.*

Date.	Warrants.	To Whom Paid.	Amounts.	Remarks.
1893.		Amount brought forward.....	$6,404 79	
Aug. 18	1162	Postage Stamps.....	5 00	
" 31	1163	E. B. Towson.....	60 00	Salary.
" 31	1164	Wm. J. C. Dulany Co.....	242 18	Contractors.
Sep. 15	1165	R. C. McLanahan.....	5 25	Binding 7 vols.
" 30	1166	E. B. Towson.....	60 00	Salary.
" 30	1167	Wm. J. C. Dulany Co.....	186 94	Contractors.
" 30	1168	Mrs. T. Walsh.....	4 50	Washing Towels.
" 30	1169	Daily American.....	1 62	
" 30	1170	Morning Herald.....	79	
Oct. 3	1171	E. D. Richardson's Estate.....	200 00	Poppleton's Plat.
" 3	1172	U. S. and Adams Express.....	95	Freight on Books.
" 13	1173	U. S. Express Co.....	16 64	On 41 Packages.
" 16	1174	Wm. J. C. Dulany Co.....	1,269 00	Tax Bills, Bailiffs'.
" 31	1175	E. B. Towson.....	60 00	Salary.
" 31	1176	Wm. J. C. Dulany Co.....	208 65	Contractors.
Nov. 28	1177	Meals During Council.....	5 00	
" 29	1178	E. B. Towson.....	60 00	Salary.

Dec.	4	1179	Wm. J. C. Dulany Co	212 13	Contractors.	
"	7	1180	A. S. Abell Co	12 08	Advertising for	Proposals.
"	7	1181	Daily Record Co	3 00	"	"
"	7	1182	E. Raine	11 38	"	"
"	7	1183	Charles C. Fulton & Co	10 15	"	"
"	11	1184	Herald Publishing Co	10 15	"	"
"	28	1185	E. B. Towson	60 00	Salary.	
"	28	1186	Mrs. T. Walsh	4 50	Washing Towels.	
"	28	1187	Daily American	1 62		
"	28	1188	Morning Herald	79		
"	28	1189	Becker & Co	30	Box.	
"	28	1190	Wm. J. C. Dulany Co	680 99		
			Total	$9,798 40		

COST OF STATIONERY, PRINTING, &c., 1893.

In compliance with the 33d Section of Article I, of the City Code, I beg to report that the stationery, printing, &c., for the several Departments of the City Government during the year 1893, have cost:

	1892.	1893.
Appeal Tax Court	$ 112 40	$ 79 85
Baltimore City Jail	234 00	228 28
Bay View Asylum	179 16	304 49
Board of Assessors		103 95
City Collector	2,004 84	3,287 47
" Comptroller	470 89	435 00
" Commissioner	338 33	528 63
" Register	146 66	350 79
Commissioners for Opening Streets	60 29	55 30
Commissioner of Street Cleaning	56 97	61 68
Clerk Centre Market	44	2 96
" Canton Market	13	53
" Cross Street Market	1 54	
" Belair Market	36	
" Fell's Point Market	91	1 34
" Hanover Market	82	
" Hollins Market	71	1 22
" Lafayette Market	87	
" Lexington Market	3 00	3 00
" Northeastern Market	25	
" Richmond Market	91	2 28
Dog Pound	65	
Examiner of Titles	19 21	16 16
Amounts carried forward	$3,633 34	$5,462 93

Amounts brought forward			$3,633 34	$5,462 93
Fire Department			475 78	1,027 15
General Superintendent of Lamps			66 21	109 53
Health Department			701 71	1,573 76
Harbor Board			117 73	71 17
Harbor Master No. 1			5 79	3 43
" " No. 2			11 49	5 19
" " No. 3			8 78	4 25
" " No. 4			10 36	7 17
" " No. 5			18 52	8 35
Inspector of Buildings			142 62	77 49
Inspector of Gas and Oils			12 82	20 37
Law Department			116 55	79 80
Library			1,142 25	
" Clerk	$720 00			
" Popleton's Plat, in sections	200 00			
" 19 Books purchased	71 30			
" 25 Books bound	32 40			
" Printing Annual Report	29 40			
" Express charges	19 89			
" Postage	11 65			
" Washing towels	18 00			
" Newspapers	9 64			
" Advertising	46 76			
" Specifications	21 60			
" 59 Meals during Council	29 50			
" 1514 Memorandum Pads	25 23			
" Stationery	35 60			1,270 97
Amounts carried forward			$6,463 95	$9,721 56

Amounts brought forward	$6,463 95	$9,721 56
Mayor's Office	165 07	147 41
Superintendent of City Hall	3 01	10 20
Total expenditures	$6,632 03	$9,879 17
Out of Stock	163 84	80 77
Cash per warrants	$6,468 19	$9,798 40
Covered back in Treasury	831 81	1 60
Appropriations	$7,300 00	$9,800 00

The following departments, while ordering their stationery and printing through the Librarian, settle for it by their warrants, viz.:

Chief Engineer Water Department.	$ 308 24	$ 351 66
Park Commission	140 47	34 35
Supervisors of Elections	306 27	
Water Department	1,084 96	1,455 85
Total	$1,839 94	$1,841 86

RECEIPTS FOR THE YEAR.

11	Ordinances and Resolutions sold	$16 50
18	City Codes of 1892	72 00
1	Public Local Laws	36
	Total	$88 86

Respectfully submitted,

GEORGE C. WEDDERBURN,

City Librarian.

ANNUAL REPORT

OF THE

General Superintendent of Lamps

AND

INSPECTOR AND SEALER OF GAS METERS,

TO THE

Mayor and City Council of Baltimore,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

OFFICE OF THE GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS,

CITY HALL,

BALTIMORE, December 30, 1893.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN—

I have the honor of presenting the fourteenth annual report of this department, showing receipts, disbursements and the general affairs relating to the lighting of the City of Baltimore for the year ending December 31, 1893.

There are now in use in the city proper 4,946 gas lamps. Many more are needed, but the appropriations were not large enough to authorize their erection.

The city has no contract for its supply of gas, but pays $1.25 per 1,000 cubic feet, *the same rate as that paid by the private consumer.* This department has no authority to say when or where gas mains are to be laid. The Gas Company having refused to lay them at points where gas lamps were needed and asked for by this department, no mains have been laid during the year 1893 at the request of the city.

There are in the city proper 1,031 electric arc lamps. These lamps are furnished on contract by the Brush Electric Company. This contract runs for five (5) years from June 1, 1890, with the privilege to the city to annul it at the expiration of any two years should it be deemed desirable. The contract price is 35 cents a night for each arc lamp.

The service of the electric lamps is *not* all it should be. The contract is too stringent a one for any company to live under; but, as advised by the City Solicitor, neither his Honor the Mayor nor the General Superintendent of Lamps has any authority to modify its requirements.

The number of gasoline lamps in the city proper is 518. These lamps are erected in sections of the city not supplied with gas mains. They are filled and kept supplied with fluid by contract with Mr. C. H. Nicolai at a cost to the city of $8.88 per annum for each lamp. This contract will expire June 30, 1894.

There are now in use in the Annex 623 gas, 547 gasoline and 4 electric lamps, though six more electric arc lamps have been ordered in position, as per resolution of the Mayor and City Council, but they have not yet been erected.

The electric, gas and gasoline lamps are in service in the Annex on the same terms as those in the city proper.

In the Annex district very many more lamps are needed; but the appropriation was so small, and the number of lamplighters so few, that only where it was considered absolutely necessary were extra lamps erected.

At present there are six superintendents of lamplighters for the twenty-two wards of the city—five for the city proper and one for the Annex.

These superintendents are supposed to keep a general supervision of the actions of the lamplighters, and to see that the lamps in their several districts are lighted and extinguished at the proper hours, and kept in proper condition and repair; but owing to the extended territory over which they one and all have to move, they cannot give proper attention to the whole of their districts in any one night, and, as a natural result, many sections of the city are not properly supervised, and many derelictions of the lamplighters never get to the knowledge of the General Superintendent.

The present force, both of superintendents and of lamplighters, is working well, and one and all seem desirous of doing their duty to the best of their several abilities, but it is too small a force and is inadequate to the work necessarily required. The duty of properly lighting a great city like Baltimore is one that requires constant and careful attention, and one can clearly see that a force capable of doing well the comparatively light work of some years ago, when the city was much smaller, is absolutely unable to cope with the necessary duties required of it when the territory has been doubled.

The General Superintendent should be better informed of what is going on and what is being neglected; but with an inadequate force under him, and so much clerical office work to do, it is impossible for him to see

that the rules of the department are carried out, and to exercise the general supervision so much needed for the proper working of a department charged with the important duty of properly lighting the streets of the city of Baltimore.

The gas and gasoline lamps are now in a much better condition than they were a year ago, and before another year goes by it is expected that all will be in perfect order. The old square gas lamp is gradually giving place to the ornamental globe lamp, and, in addition to presenting a better appearance, the cost of repairs has been reduced to a minimum, and much time is saved in lighting and extinguishing the lamps.

The work of this department is hampered by the inspection and sealing of gas meters—a duty which, it seems to me, more properly belongs to the Department of Inspector of Oils and Gas. Every gas meter used in the city (both public and private) has to pass through this office to be inspected and sealed. It will readily be seen that this is a most important work, and it can also be as easily seen that the addition of the Twenty-first and Twenty-second Wards to the city has added a great deal of work to that heretofore done as Inspector and Sealer of Meters. The fees for this work amount to over $2,000 a year, and would more than pay the salary of some one who would give his whole time and attention to it, for it now requires the constant attention of either the General Superintendent of Lamps or his one clerk from 9 A.M. until 3 P.M., and many other duties are necessarily neglected or hurriedly performed.

If it were not for the very efficient manner in which the services of my one clerk are performed, I am sure that this department could not do the work at present required of it, and I earnestly request that you appoint a committee to inquire into its matters and affairs, feeling sure that on receipt of their report some relief will be given and more satisfactory work secured.

I am, sirs, very respectfully yours,

W. STUART SYMINGTON,

General Superintendent of Lamps, etc.

TABLES.

TABLE A

Exhibits the number and sizes of Meters inspected, also those rejected as incorrect.

	Size and Number of Meters Inspected and Sealed.											
Size of Meters.....	2	3	5	10	20	30	45	60	80	100	150	200
Number of Meters.....	32	310	7,985	314	110	37	40	19	3	18	4	3

	Size and Number of Meters Rejected as Incorrect.								
Size of Meters.....	2	3	5	10	30	45	60	100	200
Number of Meters.....	2	1	98	10	2	3	1	4	1

In addition to the above there were 28 lamp, market and engine house meters taken out and inspected, 24 of which were incorrect.

TABLE B

Shows the amount received by the Department and paid to the Register on warrants from the Comptroller.

Inspecting gas meters	$2,087 00
Recovered damages to lamps	202 45
	$2,289 45

TABLE C

Exhibits the amount of appropriation and amount expended, with balance unexpended for the electric light account.

Appropriation for electric lights	$126,000 00
Amount expended	121,176 79
Balance	$ 4,823 00

TABLE D

Exhibits the amount of appropriation and amount expended, with deficiency for the gas account.

Appropriation for gas	$140,000 00
Amount expended	140,000 00
Deficiency (Consolidated Gas Company Bill)	$ 1,886 94

TABLE E

Exhibits the amount of appropriation and amount expended, with balance unexpended for the gasoline account.

Appropriation for gasoline	$7,118 00
Amount expended	6,119 35
Balance	$ 998 65

TABLE F

ANNEX.

Exhibits the amount of appropriation and amount expended, with balance unexpended for the electric light account.

Appropriation for electric lights	$1,227 05
Amount expended	481 70
Balance	$ 795 80

TABLE G

ANNEX.

Exhibits the amount of appropriation and amount expended, with balance unexpended for the gas account.

Appropriation for gas	$19,884 88
Amount expended	17,908 60
Balance	$ 1,976 28

TABLE H

ANNEX.

Exhibits the amount of appropriation and amount expended, with balance unexpended for the gasoline account.

Appropriation for gasoline	$6,950 00
Amount expended	6,817 13
Balance	$ 132 87

TABLE I

Shows the amount required for the year ending December 31, 1894.

CITY PROPER.

The appropriation for electric lights will cover the cost of the electric lamps on streets, in squares, markets, bridges, and clock at No. 6 Engine House.....	$138,289	75
The appropriation for gas will cover the cost of gas for street lamps, squares, markets, bridges, Washington Monument, erecting and removal of lamps, straightening posts, renewal of services, new globes, lanterns, burners, stops, etc., and all necessary repairs for keeping the lamps in good condition, as well as additions and alterations to gas pipe and fixtures in public buildings.....	$147,098	75
The appropriation for gasoline will cover the cost of gasoline for the gasoline lamps, new posts, lanterns, burners, valves, lamp-wick, and all necessary repairs for keeping the lamps in good condition	$ 6,580	00

Deficiency.

GAS ACCOUNT.

Consolidated Gas Company's bill.....	$ 1,886	94

TABLE J

Exhibits the amount required for the year ending December 31, 1894.

ANNEX.

The appropriation for electric lights will cover the cost of the electric lamps on the streets and highways.....	$	1,277 50
The appropriation for gas will cover the cost of gas for street lamps, erecting and removal of lamps, renewal of service, straightening posts, new lanterns, globes, burners, stops, glass, and all needed repairs to put and keep the lamps in proper condition.....	$	18,840 00
The appropriation for gasoline will cover the cost of gasoline required for the gasoline lamps, new posts, lanterns, burners, valves, lamp-wick, glass, etc., and all needed repairs to the fluid-burning lamps.....	$	6,870 00

TENTH ANNUAL REPORT

OF THE

Board of Fire Commissioners

AND THE

THIRTY-FIFTH ANNUAL REPORT

OF THE

FIRE DEPARTMENT

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE YEAR ENDING DECEMBER 31, 1893.

OFFICERS OF THE FIRE DEPARTMENT.

FIRE COMMISSIONERS:

J. ALEXANDER PRESTON, - - *President,*
FERDINAND C. LATROBE, *Ex-officio,*
JOHN F. HUNTER, GEORGE MAY.

SECRETARY AND CLERK:

DAVID H. LUCCHESI.

CHIEF ENGINEER:

JOHN J. LEDDEN.

DISTRICT ENGINEERS:

1st District, - - - GEORGE W. HORTON.
2d " - - - GEORGE W. ELLENDER.
3d " - - - WILLIAM M. DUNN.
4th " - - - FIELDING H. LUCAS.
5th " - - - FRANK K. CONWAY.
6th " - - - WILLIAM A. LARKINS.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

CHARLES J. McALEESE.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS,

BALTIMORE, January 1, 1894.

To the Honorable the Mayor and

City Council of Baltimore:

GENTLEMEN:

The report of the Board of Fire Commissioners for the year ending on the thirty-first day of December, eighteen hundred and ninety-three, shows the operation of the department during that period of time.

Since the last report of this Board all the members of the department have become permanent; the system of employing a class of men known in the department as call-men having been done away with by ordinances changing the character of the organization.

All the members of the department now devote the whole of their time to the fire service, and the efficiency of the force has been greatly benefitted by the change.

In every report made of late years this Board has urged on your Honorable Body an increase in the amount of men and machinery necessary to keep the city from destruction by fire.

The extension of the city by taking in a portion of Baltimore County, together with the change of character of the buildings now being erected, requires an increase in the number of appliances for putting out fires.

Baltimore is in a sort of transition state from the buildings and structures of a big town to the buildings required by the needs of a great manufacturing city.

For the last ten years the character of the buildings has been rapidly changed, magnificent warehouses being built alongside of two story houses with wooden roofs, whilst two story dwellings have been run up four and five stories, by building on the brick walls, which were originally intended for a two story brick dwelling house.

With such a state of architecture the difficulty of stamping out fires has greatly increased, and when is added to this difficulty the net work of all kinds of wires which festoon the streets, electric, telegraph, trolley and telephone, the wonder is that the Fire Department is able, with the means in its possession, to accomplish what it has during the past year in the preservation of life and property.

The time has now arrived when it is absolutely necessary for the city government to take decided action in regard to these matters. It is necessary that there shall be an increase of the men and machinery of the department, that an intelligent building law shall be provided and enforced, and that the wires which threaten the lives and property of the inhabitants of this city

shall be put under ground. These are matters which lie exclusively under the control of the Mayor and City Council.

In addition to this, there should be an increase of the water supply at certain points in the city for the use of the department.

The Board of Fire Commissioners is powerless to do anything in regard these matters. Though a building is unsafe, and the lives of people hanging by a thread in some of the tenement houses of this city, this Board cannot compel the erection of a single fire escape, or the cutting of a single doorway for the escape of a person from a burning building, and yet it is held responsible by the community for matters it has absolutely no more to do with than any other citizen who walks the streets of this city.

So limited are its legal powers, that it cannot make a contract to build a wagon or buy a foot of hose or a blanket without the consent of the Mayor.

Its powers are simply limited to putting out fires with the limited means in its hands for that purpose.

With the amount of resources furnished, it has accomplished greater results than any department of any city of the United States.

Its equipment as far as it goes, in engines, machinery and other appliances for putting out fires, is of the latest and best patterns.

The men composing the body of firemen will compare favorably with any similar body of men anywhere; but the department is simply too small for the city at the present time.

The underwriters, who have made the loudest outcry about losses by fire, have failed to aid the department by compelling parties whom they insure to take proper precautions, and by taking risks with people and places no prudent man would feel justified in insuring.

The storage of cotton, in the manner it was stored at Brown's wharf, where the disastrous fire took place on the 13th day of December, 1892, was an invitation to a heavy loss. A special risk, means simply, in many cases, an obstacle to every effort of the firemen to prevent a heavy fire.

What a little care will do can be best seen by an examination of the Fire Insurance Companies of this city that exercise discretion in the persons and property they insure. In many companies for years and years the losses by fire have never affected either the size or the number of dividends.

Perhaps the hardest work required of horses is made by a Fire Department. The horse employed in the Fire Department is required to pass days of idleness with little opportunity even for exercise, and then is driven at a high rate of speed, regardless of the loss of a shoe, or any other accident, oftentimes leaving the engine-house after eating, or in the midst of a feed. There should be purchased a building within the city limits for the care of horses injured and requiring care, and

also as a place where spare horses can be kept. A place of that kind would cost comparatively little, while the saving to the city would be large. As now arranged, the horses are kept at No. 15 Engine House in boxes unfitted even for a well horse, amidst the unceasing noise of an engine house occupied by two fire engine companies and a water tower. A place of the kind suggested would be very inexpensive as far as the character of the building and the location of the lot are concerned.

During last year an ordinance was passed by your Honorable Body appropriating one hundred thousand dollars to the placing of wires under ground belonging to the electrical part of this department. The ordinance, which was passed without ever being submitted to this Board, and without its knowledge, was found to be invalid and repealed; but should be passed in another form, providing for the beginning of this important work and its completion under competent supervision.

With this report is submitted the suggestions and report of the Chief Engineer and Superintendent of Police and Fire-Alarm Telegraph for the consideration of your Honorable Body.

The Commissioners file herewith as part of this report, Exhibits A, B, C, D, E, F, G, H, I and K.

Exhibit A shows the amount appropriated by the Mayor and City Council of Baltimore for the year 1893, and the expenditures for that period.

Exhibit B shows the amount of special appropriations and disbursements.

Exhibit C shows the general receipts of the department for 1893.

Exhibits D and H show the general expenditures for 1893, and Exhibit E the general statement for 1893.

Exhibits F and I show the expenditures of each company.

Exhibit G shows the expenditures of the City Annex for 1893.

Exhibit K shows the monthly expenditures of the City Annex.

The Commissioners append herewith the estimate of the financial requirements of the department for 1894.

ESTIMATE FOR 1894.

Salaries	$243,800 00
Apparatus	13,000 00
Apparatus repairs	10,000 00
Accident	1,500 00
Feed	12,500 00
Fuel	3,950 00
Furniture	3,000 00
Harness	1,000 00
Horseshoeing	2,500 00
Hose and suction tubes	9,000 00
Horses	7,500 00
Gas	1,500 00
Oils and Paints	2,500 00
Office expenses, including printing report and messenger's salary	1,000 00
Rent	600 00
Rent of telephones	681 00
Miscellaneous	2,000 00
Washing	2,200 00
Insurance of members	2,452 45
Sick	500 00
Pensions for disabled firemen	8,400 00
Police and Fire-Alarm Telegraph	24,778 65
Total	$354,362 10

ESTIMATE FOR 1894—"ANNEX."

Salaries	$32,700 00
Apparatus	2,200 00
Apparatus repairs	1,500 00
Accident	200 00
Feed	3,000 00
Fuel	750 00
Furniture	350 00
Harness	250 00
Horseshoeing	475 00
Hose	536 00
Horses	2,500 00
Gas	275 00
Oils and paints	509 00
Rents	360 00
Rent of telephones	120 00
Miscellaneous	400 00
Office expenses	300 00
Washing	275 00
Insurance of members	328 90
Sick	195 00
Police and Fire-Alarm Telegraph	1,000 00
Total	$48,223 90

J. ALEXANDER PRESTON,

President.

JOHN F. HUNTER,

GEORGE MAY.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year of 1893..	$346,155 41
Amount drawn from City Comptroller....	346,126 57
Balance undrawn.....	$28 84

EXHIBIT B.

Special appropriations by Honorable Mayor and City Council.

Amount appropriated for deficiency.....	$2,910 62
Amount drawn from City Comptroller.....	2,910 62
Amount appropriated to organize and equip No. 18 Engine Company.....	$23,000 00
Amount drawn from City Comptroller.....	22,999 61
Balance undrawn.....	39
Amount appropriated for lot of ground upon which to erect an engine house.....	$6,000 00
Amount drawn from City Comptroller.....	4,000 00
Balance transferred, Resolution No. 190.	$2,000 00
Amount appropriated for lot of ground upon which to erect a Hook and Ladder Truck House.....	$3,000 00
Balance transferred, Resolution No. 190.	2,000 00
	$5,000 00
Amount drawn from City Comptroller.....	5,000 00

EXHIBIT B—Continued.

Amount appropriated for twenty (20) keyless doors for fire-alarm boxes, at $50.00 each.	$1,000	00
Amount drawn from City Comptroller.....	1,000	00
Amount appropriated for fire-alarm boxes at various places.....	$2,400	00
Amount drawn from City Comptroller.....	2,395	41
Balance undrawn.....	$4	59
Amount appropriated to place the wires of the Police and Fire-Alarm Telegraph and Police Patrol Systems under ground, Ordinance No. 106.....	$100,000	00
Amount drawn from City Comptroller.....	529	91
Balance undrawn.....	$99,470	09

EXHIBIT C.

General Receipts.

Balance on hand, storeroom stock, December, 1892.....	$ 50	00
Amount drawn from City Comptroller for the year 1893.....	346,126	57
Amount received from sale of manure and old material.....	322	82
Amount received from Accident Insurance Company.....	1,422	64
Total.....	$347,922	03

EXHIBIT D.

Showing the amount expended for the year ending December 31, 1893.

Salaries	$246,370	46
Apparatus	8,132	50
Apparatus repairs	9,077	68
Accident	1,046	96
Feed	12,343	07
Fuel	3,919	25
Furniture	3,054	67
Harness	860	14
Horseshoeing	2,039	85
Hose and suction tubes	8,241	97
Horses	6,560	00
Gas	1,487	74
Oils and paints	2,231	64
Office expenses, including printing report and Messenger's salary	909	29
Rent	600	00
Rent of telephones	681	00
Miscellaneous	1,944	47
Washing	2,178	75
Insurance of members	1,601	55
Pensions for disabled Firemen	7,409	00
Sick	465	00
Police and Fire-Alarm Telegraph	24,971	16
	$346,126	57
Insurance indemnity paid to members	1,422	64
	$347,549	21

EXHIBIT E.

General Statement.

Receipts from all sources...		$347,922 03
Expenditures.....	$347,549 21	
Amount paid to City Register	322 82	
	$347,872 03	
Balance storeroom stock, December 31, 1893.....	50 00	
		$347,922 03

EXHIBIT F.

Company Expenditures.

No. 1 Engine Company	$17,201 66
" 2 " "	13,631 83
" 3 " "	12,080 89
" 4 " "	14,261 14
" 5 " "	11,981 91
" 6 " "	12,968 07
" 7 " "	12,387 94
" 8 " "	11,823 06
" 9 " "	11,171 33
" 10 " "	12,480 59
" 11 " "	11,313 18
" 12 " "	11,849 23
" 13 " "	12,145 08
" 14 " "	11,190 49
" 15 " "	23,554 29
" 16 " "	14,497 20
" 1 Hook and Ladder Company	12,160 17
" 2 " " "	12,813 93
" 3 " " "	14,954 46
" 4 " " "	13,359 90
" 5 " " "	12,533 16
" 6 " " "	12,089 88
	$292,449 39
Rent of telephones	681 00
Reserves	341 93
Officers' salaries and expenses	18,025 39
Miscellaneous	1,339 41
Office expenses	909 29
Pensions	7,409 00
Police and Fire-Alarm Telegraph	24,971 16
	$346,126 57

EXHIBIT G.

City Annex Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year 1893.....	$35,814 73
Amount drawn from City Comptroller.....	35,802 46
Balance undrawn.....	$12 27

EXHIBIT H.

Showing the amount Expended for the Annexed District for the year ending December 31, 1893.

Salaries	$22,935 00
Apparatus	1,102 78
Apparatus repairs	1,309 06
Accident	176 60
Feed	2,509 77
Fuel	460 70
Furniture	412 98
Harness	130 59
Horseshoeing	375 75
Hose	536 75
Horses	2,500 00
Gas	184 49
Oils and paints	509 55
Office expenses	300 00
Miscellaneous	379 82
Rent	360 00
Washing	168 00
Insurance of members	149 73
Sick	192 64
Rent of telephone	120 00
Police and Fire-Alarm Telegraph	988 25
	$35,802 46

EXHIBIT I.

Company Expenditures.

No. 1 Engine Company	$3,181 51
" 2 " "	3,436 76
" 3 " "	3,593 28
" 4 " "	4,248 59
" 5 " "	3,770 89
" 6 " "	3,163 93
" 7 " "	4,090 99
" 7 Hook and Ladder Company	2,867 05
" 8 " " "	1,086 07
" 9 " " "	1,780 27
	$31,219 34
Officers' salary and expenses	2,248 44
Rent of telephones	120 00
Reserves	787 23
Office expenses	300 00
Miscellaneous	139 20
Police and Fire-Alarm Telegraph	988 25
	$35,802 46
Special No. 18 Engine Company	22,999 61
	$58,802 07

EXHIBIT K.

Monthly Expenditures.

January,	Warrants	1	to	13	$3,521 62
February,	"	14	"	50	8,575 67
March,	"	51	"	66	4,220 20
April,	"	67	"	84	8,703 05
May,	"	85	"	98	3,707 67
June,	"	99	"	110	4,137 89
July,	"	111	"	125	4,070 04
August,	"	126	"	137	3,477 55
September,	"	138	"	152	3,835 07
October,	"	153	"	174	5,082 08
November,	"	175	"	184	3,359 79
December,	"	185	"	204	6,111 44
					$58,802 07

Dr. *Financial Statement of the Fire Department*

1892.				
Dec. 31,	To balance, storeroom account..		$ 50	00
1893.				
January,	warrants 1 to 48		37,967	72
February,	" 49 " 96		25,642	27
March,	" 97 " 170		27,664	68
April,	" 171 " 216		27,498	24
May,	" 217 " 278		37,120	47
June,	" 279 " 327		28,056	71
July,	" 328 " 383		41,246	59
August,	" 384 " 419		25,003	42
September,	" 420 " 464		30,210	99
October,	" 465 " 508		26,161	05
November,	" 509 " 545		25,502	18
December,	" 546 " 574		29,888	19
			$362,012	51
	Old material		322	82
	Insurance indemnity		1,422	64
			$363,757	97

for twelve months ending December 31, 1893. Cr.

1893.					
January,	Expenditures	this	month	.....	$37,967 72
February,	"	"	"	.....	25,642 27
March,	"	"	"	.....	27,664 68
April,	"	"	"	.....	27,498 24
May,	"	"	"	.....	37,120 47
June,	"	"	"	.....	28,056 71
July,	"	"	"	.....	41,246 59
August,	"	"	"	.....	25,003 42
September,	"	"	"	.....	30,210 99
October,	"	"	"	.....	26,161 05
November,	"	"	"	.....	25,502 18
December,	"	"	"	.....	29,888 19
					$361,962 51
Amount paid City Register.....					322 82
Amount paid insurance indemnity.					1,422 64
Storeroom account, Dec. 31, 1893...					50 00
					$363,757 97

Summary.

CITY.	APPROPRIATIONS.	EXPENDITURES.	BALANCES.
Fire Department...	$321,155 41	$321,155 41	.....
P. & F. A. Telegraph	25,000 00	24,971 16	$ 28 84
Special Fire Dep't..	9,000 00	9,000 00	.....
Special Telegraph..	3,400 00	3,395 41	4 59
Underground Wires.	100,000 00	529 91	99,470 09
Deficiency, 1892....	2,910 62	2,910 62	.....
	$461,466 03	$361,962 51	$99,503 52
ANNEX.			
Fire Department...	34,814 73	34,814 21	52
P. & F. A. Telegraph	1,000 00	988 25	11 75
Sp'l No. 18 Eng. Co..	23,000 00	22,999 61	39
	$520,280 76	$420,764 58	$99,516 18
	.....	99,516 18	.....
	$520,280 76	$520,280 76	.....

1892.			
Dec. 31, Balance, storeroom account.		$ 50 00	
1893.			
Dec. 31, Paid out for storeroom account.....		3,589 36	
			$3,639 36
1893.			
Dec. 31, Delivered to companies from storeroom	$3,589 36		
Balance, storeroom account..	50 00		
			$3,639 36

REPORT

—OF THE—

CHIEF ENGINEER.

REPORT.

BALTIMORE CITY FIRE DEPARTMENT,

OFFICE OF CHIEF ENGINEER—CITY HALL,

BALTIMORE, January 1st, 1894.

To the Honorable Board of Fire Commissioners:

GENTLEMEN:

I have the honor herewith to submit to you the annual report of the Fire Department for the fiscal year ending December 31st, 1893, which is the thirty-fifth report of the Paid Fire Department of Baltimore City.

It is a subject of congratulation that on the first day of April the department was placed on a permanent and full-paid basis by making the five call-members of Nos. 8, 9, 10, 11, 12, 13 and 14 Engine Companies, respectively, full paid and permanent members.

The department was further strengthened by the creation of three additional Assistant Engineers, making six in all, and the city was redivided into six districts, rendering it now possible to have an officer on the ground in the early stages of a fire to advise and direct the men.

The department was further strengthened by making an additional Lieutenant and Assistant Engineman in No. 15 Engine Company, making the same a double company.

On February 15th an additional Engine Company, (No. 18), was placed in service with twelve members, making the first steam-engine company in the annexed district.

I would recommend that another Lieutenant, Assistant Engineman and four pipemen be placed in No. 4 Engine Company, so as to make that company also a double company with two sets of apparatus, so that when one section goes out the other will take its place. This will practically place an additional engine company in the business section of the city.

I also recommend that another lieutenant, assistant tillerman and four laddermen should be placed in Nos. 4 and 5 Hook and Ladder Companies, so as to make them double hook and ladder companies with two sets of apparatus under the same conditions as the double engine companies, so that in case of a large fire occurring calling all six hook and ladder companies in service, there will still be two hook and ladder companies in reserve to respond to another fire. The necessity for this was shown at the fire at the Brush Electric Light Works and City Jail, on October 13th, when a third alarm from Box 249 and a second alarm from Box 316 called all the hook and ladder companies into service, leaving the entire city without a hook and ladder company, except the small ones in the annexed district. The same may occur again at any large fire requiring the services of all the hook and ladder companies.

An additional member should be placed in each of Nos. 1 and 2 Hook and Ladder Companies, so as to bring them up to the standard (twelve members) of the other Hook and Ladder Companies.

An additional member should be placed in No. 7 Chemical Engine Company, and in each of Nos. 7, 8 and 9 Hook and Ladder Companies, as the constant increase in buildings in the annexed district necessitates an increased force to properly handle the apparatus.

I reiterate the recommendation of my predecessor that the system of substitute members attached to each company be dispensed with, and that in their place ten probationary members be appointed, who shall receive a salary of six hundred dollars per annum, each be uniformed and stationed at the houses of the central companies, from which they can be detailed to other companies to fill the places of the members who are off duty, sick, injured or on leave of absence.

With the other improvements in the department, a new set of rules and regulations, more accurately defining the duty and discipline of the members, and a new book of assignments to duty in answering alarms of fire were placed in service, and have given entire satisfaction and greatly facilitated the operations of the department.

The ringing of bells being dispensed with as unnecessary, a code of rocket signals has been adopted and placed in service, so that in case of the disabling of the fire-alarm wires, by storms or otherwise, the Engine and Hook and Ladder Companies may be called into ser-

vice without delay. They have already been found of the utmost practical service.

I also recommend that No. 18 Engine and No. 3 Chemical Engine Companies, now occupying one house, be consolidated as one company (No. 18 Engine Company), having fifteen members, and under one captain and two lieutenants.

I also recommend that a lot, centrally located, be purchased, and a building erected thereon, where sick and disabled horses can be kept and treated, and the reserve horses of the department can be located. The hospital now located at No. 15 Engine House is entirely too small and inadequate for the purpose, and by reason of the Company being made a double one the space now used is required for the use of the Company.

The care and management of the horses require constant attention, and the task of selecting such as are especially adapted for Fire Department service is of the utmost importance. In my opinion no better plan could be adopted by the city than the one of securing at a stated salary the services of a competent veterinary surgeon, and place in his hands, subject to proper restrictions, the task of selecting all horses for use in this department, and also require of him supervision over the care and management of those in the service. This plan has been in practice in other cities, and has proven to be of undoubted benefit wherever adopted, and I would therefore request that you give this matter careful consideration.

Physical Qualifications for Members.

All applicants for positions in the service of the department have to undergo an examination in regard to their physical condition. Members of Engine Companies are required to be not less than five feet and five inches in height and thirty-four inches around the chest, and members of Hook and Ladder Companies are required to be five feet and seven inches in height and thirty-six inches around the chest.

All members of the department receive their full pay when off duty, injured or sick, and when injured, five dollars additional per week from insurance, and in case of death from injuries received while performing fire duty, one thousand dollars is paid to the widow or other representatives.

Manual Force of the Department.

OFFICERS:

Chief Engineer	1
District Engineers	6
Superintendent of Machinery	1
	8

ENGINE COMPANIES.	Permanent Uniformed Members.
No. 1 Engine Company	11
" 2 " "	12
" 3 " "	11
" 4 " "	12
" 5 " "	11
" 6 " "	12
" 7 " "	11
" 8 " "	11
" 9 " "	11
" 10 " "	11
" 11 " "	11
" 12 " "	11
" 13 " "	11
" 14 " "	11
" 15 " "	20
" 16 " "	12
" 18 " "	12
	201

Chemical Engine Companies.	Permanent Uniformed Members.
No. 1 Chemical Engine Company	3
" 2 " " "	3
" 3 " " "	3
" 4 " " "	4
" 5 " " "	3
" 6 " " "	3
" 7 " " "	3
	22

Hook and Ladder Companies.	Permanent Uniformed Members.
No. 1 Hook and Ladder Company	11
" 2 " " "	11
" 3 " " "	12
" 4 " " "	12
" 5 " " "	12
" 6 " " "	12
" 7 " " "	1
" 8 " " "	1
" 9 " " "	1
	73

Force and Pay Roll.

	Per Annum.
1 Chief of Department	$2,000
6 District Engineers, each	1,400
1 Superintendent of Machinery	1,400
23 Captains of Engine and Hook and Ladder Companies, each	1,100
7 Captains of Chemical Engine Companies, each	900
24 Lieutenants, each	1,000
17 Enginemen, each	1,100
19 Assistant Enginemen, each	900
2 Pilots on Fire-Boat, each	1,000
12 Tillermen on Hook and Ladder Companies, each	900
22 Hostlers of Engine and Hook and Ladder Companies, each	900
10 Hostlers of Chemical Engines and Annex Hook and Ladder Companies, each	800
117 Pipemen of Engine Companies, each	800
40 Laddermen of Hook and Ladder Companies, each	800
3 Stokes on Fire-Boat, each	800
304 Members.	
20 Members retired from service, and pensioned, each	400

The following changes were made in the Department.

Officers.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
Chief Engineer	1	....	....	....	....	....
District Engineers	....	....	....	4	....	1
Companies.						
No. 1 Engine Company	....	2	1	5	2	....
" 2 " "	1	2	....	6	1	2
" 3 " "	....	1	....	3	....	2
" 4 " "	1	....	2	10	6	1
" 5 " "	....	1	....	2	....	1
" 6 " "	....	2	2	6	1	1
" 7 " "	1	....	....	8	5	2
" 8 " "	....	1	....	7	...	6
" 9 " "	....	1	1	8	....	6
" 10 " "	....	....	....	8	1	7
" 11 " "	....	....	1	9	2	6
" 12 " "	....	2	....	9	...	7
" 13 " "	....	1	....	9	2	6
" 14 " "	....	....	1	10	3	6
" 15 " "	....	6	2	23	9	6
" 16 " "	....	....	....	1	1	....
" 18 " "	1	....	....	4	3	....
" 1 Chemical Engine Co.	....	....	....	1	1	....
" 2 " "	1	....	....	1	....	....
" 3 " "	....	....	....	1	....	1
" 4 " "	....	....	....	1	1	....
" 5 " "	....	....	....	2	....	2
" 6 " "	....	....	....	....	....	....
" 7 " "	....	....	....	....	....	....

The following changes were made in the Department.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
No. 1 Hook & Ladder Co.	....	2	....	4	1	1
" 2 " "	....	....	....	4	3	1
" 3 " "	....	....	....	....	....	....
" 4 " "	....	....	....	7	2	4
" 5 " "	....	....	....	6	5	1
" 6 " "	....	1	....	6	2	3
" 7 " "	....	....	....	1	....	1
" 8 " "	....	....	....	....	....	....
" 9 " "	....	....	....	....	....	....
	6	22	10	166	51	74

TABLE

Showing the Number of Fire-Alarm Boxes that each Company responds to on the first, second and third alarms.

City Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
No. 1 Engine Company	64	158	55	277
" 2 " "	74	59	94	227
" 3 " "	66	80	42	188
" 4 " "	71	127	63	261
" 5 " "	62	34	51	147
" 6 " "	76	91	51	218
" 7 " "	79	137	89	305
" 8 " "	86	58	67	211
" 9 " "	92	30	16	138
" 10 " "	78	71	66	215
" 11 " "	44	21	5	70
" 12 " "	32	18	21	71
" 13 " "	67	54	55	176
" 14 " "	53	17	42	112
" 15 " "	75	126	61	262
" 15 Chemical Engine Company	92	1	....	93
" 16 Engine Company	56	....	....	56
" 1 Hook and Ladder Company	54	69	62	185
" 2 " " "	82	123	26	231
" 3 " " "	68	26	15	109
" 4 " " "	72	96	54	222
" 5 " " "	54	80	42	176
" 6 " " "	48	43	33	124
Water Tower	31	67	....	98

ANNEX DISTRICT.

Number of Boxes responded to.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
No. 18 Engine Company.....	62	9	28	99
" 1 Chemical Engine Company..	14	14	....	28
" 2 " " " ..	37	3	....	40
" 3 " " " ..	28	25	....	53
" 4 " " " ..	18	14	....	32
" 5 " " " ..	19	17	....	36
" 6 " " " ..	18	80	1	99
" 7 " " " ..	10	....	....	10
" 7 Hook and Ladder Company..	14	....	....	14
" 8 " " " ..	16	....	...	16
" 9 " " " ..	11	....	....	11

TABLE.

Showing the number of times Engine Companies have responded to fires and transferred to the houses of other Companies, the number of feet of Hose laid at fires, and the working time of the Engines at fires.

Companies.	Number of Times Responded to Fires.	Number of Fires Transferred on Alarms.	Number of Feet of Hose Laid at Fires.	Working Time of the Engines at Fires.	
				Hours.	Min.
No. 1 Engine Company	145	....	44,820	122	55
" 2 "	176	....	44,100	175	05
" 3 "	180	....	29,900	66	17
" 4 "	184	....	38,050	105	40
" 5 "	135	66	18,850	73	30
" 6 "	193	4	40,050	88	15
" 7 "	171	4	41,800	103	30
" 8 "	148	47	24,100	79	....
" 9 "	187	60	27,850	54	45
" 10 "	171	21	31,800	117	15
" 11 "	83	77	12,200	45	05
" 12 "	52	59	39,500	121	....
" 13 "	136	75	24,750	56	50
" 14 "	75	6	9,800	19	50
" 15 "	181	....	29,800	126	29
" 15 (2d section)..	8	....	850	4	54
" 15 (Chemical)	202	....	8,300	.....	....
" 16 Engine Company	116	....	2,050	143	35
" 18 "	66	14	16,500	35	10
Water Tower.....	92	....	.....	8	....
	2,701	433	485,070	1,619	05

TABLE.

Showing the number of times the Hook and Ladder Companies have responded to fires and transferred to the houses of other Companies, the number of ladders used at fires and the time the Hook and Ladder Companies were in service at fires.

Companies.	Number of Times Responded to Fires.	Number of Times Transferred on Alarms.	Number of Ladders used at Fires.	Hook and Ladder Trucks in Service at Fires.	
				Hours.	Min.
No. 1 Hook & Ladder Co.	155	37	313	201	30
" 2 " "	238	47	356	323	36
" 3 " "	154	60	228	196	50
" 4 " "	115	114	119	229	25
" 5 " "	105	84	142	324	15
" 6 " "	103	10	411	195	....
	870	352	1,569	1,470	36

Chemical Fire Extinguishers.

The six-gallon fire extinguishers were used 1,220 times, and the fifteen-gallon fire extinguishers that are carried on No. 1 Hook and Ladder Truck were used 144 times, having discharged 9,480 gallons of the solution at fires.

The tanks of the fifty-gallon Chemical Engine that is run by No. 15 Engine Company have been emptied 165 times, discharging 8,300 gallons of the solution.

Service of Chemical Engines in the Annexed District.

Companies.	Number of Times Responded to Fires.	Number of Times Transferred on Alarms.	Number of Tanks used at Fires.	Number of Feet of Hose laid at Fires.	Time in Service.	
					Hours	Min.
No. 1 Chemical Eng. Co.	20	3	18	2,000	28	14
" 2 " " ..	48	1	25	3,700	70	20
" 3 " " ..	51	1	48	5,125	54	34
" 4 " " ..	26	....	18	2,900	31	25
" 5 " " ..	28	5	26	3,000	39	19
" 6 " " ..	30	6	35	3,050	21	40
" 7 " " ..	20	....	26	1,350	27	35
	223	16	196	21,125	273	07

Service of Hook and Ladder Trucks in the Annexed District.

Companies.	Number of Times Responded to Fires.	Number of Ladders used.	Fire Extinguishers used.	Time in Service.	
				Hours	Min.
No. 7 Hook and Ladder Co....	22	19	13	22	18
" 8 " "	25	55	14	50	08
" 9 " "	20	14	12	27	35
	67	88	39	100	01

Number of gallons of chemical solution used 15,440.

CASUALTIES.

Company.	Position.	Name.	Date.	Box	Time off Duty.	Name of Injury.
District	Eng'r No. 3.	Wm. M. Dunn	January 20	345	8 days	Thumb of right hand cut by falling glass.
District	Eng'r No. 3.	Wm. M. Dunn	October 13	249	2 days	Overcome by smoke.
Engine Company No. 1	Captain	Wm. C. McAfee	Dec. 24 (1892).	514	1 day	Right knee injured.
Engine Company No. 1	Pipeman	Frank A. Haussen.	August 23	414	16 days	Three fingers of right hand cut by falling glass.
Engine Company No. 4	Pipeman	Wm. H. Cullen	April 19	12	3 days	Left foot mashed by horse treading on it.
Engine Company No. 4	Pipeman	Wm. H. Cullen	May 15		5 days	Left foot mashed by horse treading on it.
Engine Company No. 4	Lieutenant	George W. Bentz	May 18	14	8 days	Muscles of left leg mashed.
Engine Company No. 4	Captain	Wm. C. McAfee	August 8	413	6 days	Left shoulder cut by falling glass.
Engine Company No. 4	Pipeman	Wm. H. Cullen	August 24		4 days	Right foot mashed by horse treading on it.
Engine Company No. 4	Pipeman	John M. Frederick.	August 29	123	19 days	Left foot and leg burned by lime.
Engine Company No. 4	Pipeman	George E. Croncher	October 31	153	10 days	Head cut by falling engine pole.
Engine Company No. 5	Substitute	George J. Belzner	June 9	14	3 days	Right wrist sprained.
Engine Company No. 7	Lieutenant	Lawrence Blake	April 14	418	52 days	Right hand cut by falling glass.
Engine Company No. 7	Pipeman	William McGann	October 13	249	18 days	Left hand cut by falling glass.
Engine Company No. 9	Pipeman	Wm. H. Cuddy	April 5	272		Head cut and left leg bruised.
Engine Company No. 9	Pipeman	Wm. H. Cuddy	June 20	264		Left hand burned.
Engine Company No. 10	Captain	Henry Stagge	Dec. 13 (1892).	158	78 days	Left leg broken near ankle.
Engine Company No. 10	Engineman	John W. Walsh	August 20		29 days	Left forefinger mashed and amputated.
Engine Company No. 11	Substitute	Christian Huber	March 5	162	11 days	Right foot sprained.
Engine Company No. 11	Pipeman	Benj. V. Beyer	September 25	181	8 days	Right hand cut.
Engine Company No. 11	Pipeman	George Shipley	November 24	15	6 days	Right hand cut.
Engine Company No. 13	As. Engin'an	Edward G. Riley	September 18	495	8 days	Muscles of back sprained.

Engine Company No. 13	Pipeman	Wilbur Pearce	September 18	495	½ day	Cut on head.
Engine Company No. 13	Pipeman	John Cook	December 2	436	Still off	Right hand burned.
Engine Company No. 13	Pipeman	Wilbur Pearce	December 2	436		Right side of face and ear burned.
Engine Company No. 14	Pipeman	George E. Hibline	Dec. 4, (1892)	123	76 days	Sprained ankle.
Engine Company No. 14	Pipeman	Charles H. Baker	January 19	341	25 days	Absess of rectum from strain.
Engine Company No. 15	Pipeman	Louis Harrer	May 13	313	26 days	Left shoulder wrenched.
Engine Company No. 15	Hostler	Mark Hill	May 28		17 days	Kicked by horse on left leg below knee.
Engine Company No. 15	Ass't Engr	John J. Cahill	August 21		8 days	Left foot mashed by Water Tower wheel.
Engine Company No. 15	Pipeman	John A. McKew	August 29	123	32 days	Legs burned by lime.
Engine Company No. 15	Pipeman	Samuel E. McElwee	December 2	262	Still off	Left ankle sprained.
Engine Company No. 16	Stoker	James Hayden	August 24	516	3 days	Overcome by heat.
Engine Company No. 18	Pipeman	Henry V. Moeller	April 6	476	19 days	Left ankle sprained.
Engine Company No. 18	Pipeman	Henry V. Moeller	December 5		Still off	Left foot mashed by horse treading on it.
Hook and Ladder No. 1	Lieutenant	August Emerick	February 28	13	8 days	Right wrist sprained.
Hook and Ladder No. 1	Ladderman	Robert B. Edwards	August 21	522	4 days	Both wrists sprained.
Hook and Ladder No. 2	Ladderman	Henry F. Eckels	April 28	42	12 days	Right forefinger cut.
Hook and Ladder No. 2	Ladderman	Alonzo Travers	June 20	314	3 days	Back sprained.
Hook and Ladder No. 2	Hostler	Joseph Lavender	August 2		13 days	Kicked in right breast by horse.
Hook and Ladder No. 2	Tillerman	John W. Blake	September 4	412	24 days	Contusion of left knee.
Hook and Ladder No. 3	Captain	George W. Foxwell	August 29	123	26 days	Feet and legs burned by lime.
Hook and Ladder No. 3	Lieutenant	Peter Nelson	August 29	123	31 days	Feet and legs burned by lime.
Hook and Ladder No. 3	Tillerman	John N. Downs	May 7	161	180 days	Contusion of back and side.
Hook and Ladder No. 3	Hostler	John Croucher	November 3		11 days	Toe of right foot mashed by horse treading on it.
Hook and Ladder No. 3	Ladderman	James F. Reilly	August 29	123	20 days	Feet and legs burned by lime.
Hook and Ladder No. 3	Ladderman	Robert R. Perry	August 29	123	23 days	Feet and legs burned by lime.
Hook and Ladder No. 3	Ladderman	Charles W. Johnson	August 29	123	24 days	Feet and legs burned by lime.
Hook and Ladder No. 3	Ladderman	Frederick Grauling	August 29	123	27 days	Feet and legs burned by lime.
Hook and Ladder No. 3	Ladderman	John McClellan	August 29	123	47 days	Feet and legs burned by lime.
Hook and Ladder No. 4	Ladderman	John F. Kelly	Dec. 17, (1892)		3 days	Left ankle sprained.
Hook and Ladder No. 5	Ladderman	John Sullivan	October 4	264	50 days	Left foot mashed by Truck wheel.
Hook and Ladder No. 6	Substitute	William Leonard	December 2	436	Still off	Middle finger of left hand mashed.
Chemical Engine No. 5	Captain	Samuel R. Watkins	August 12		49 days	Left ankle broken by being thrown from horse.
Chemical Engine No. 7	Pipeman	John L. Thomas	August 6	393	¼ day	Face bruised.

On February 7th, Assistant Engineer John J. Ledden was promoted to be Chief Engineer, vice Chief Engineer John M. Hennick, deceased.

On April 1st, by Ordinance of the Mayor and City Council of Baltimore, John R. Battee of No. 3 Hook and Ladder Company was placed on the pension roll on account of physical injuries received in the service of the department.

On May 7th, William R. La Shorne of No. 13 Engine Company was retired from duty on account of injuries received in the service of the department by having both legs broken by being run over by the hose carriage, and pensioned, after being a member of the department nineteen years.

On November 15th, Frank B. Hart of No. 15 Engine Company was placed on the pension roll on account of physical debility, superinduced by injuries received in the service of the department, having been a member of the same seven years.

DEATHS OF MEMBERS.

On February 1st, the department was called upon to mourn the loss of its Chief Engineer John M. Hennick, who died of cancer of stomach, after an illness of one month. He was 59 years of age, and had been a member of the department since 1858, and Chief of the same since 1876.

No. 2 Engine Company—Engineman Thomas E. Wheatley died December 4th, of capillary bronchitis,

after an illness of 39 days. He was 53 years of age, and had been a member of the department twenty-five years.

No. 4 Engine Company—Pipeman Wilmer West died December 8th, of urinary infiltration, after an illness of 15 days. He was 50 years of age, and had been a member of the department twenty-four years.

No. 7 Engine Company—Lieutentant Louis B. Schieve died March 26th, of dropsy and heart trouble, after an illness of 76 days. He was 40 years of age, and had been a member of the department twenty years.

No. 18 Engine Company—Pipeman William F. Doeppe died September 3d, of consumption, after an illness of two weeks. He was 33 years of age, and had been a member of the department four years.

No. 2 Chemical Engine Company—Pipeman James R. White died of consumption, on April 4th, after an illness of two months. He was 32 years of age, and had been a member of the department four years.

No. 17 ENGINE HOUSE.

A building should be erected on the lot purchased at the northeast corner of Fort avenue and Haubert street, which is 41 feet front and 97 feet deep, and an engine company placed in service, as it is required to protect the large mercantile and manufacturing interests that are located at Locust Point. The nearest engine company is No. 12, and the next nearest is No. 2, which is a mile and a half distant, and when these companies are at a fire and the ferry-boats are not running, this section is left without protection against fires.

No. 19 ENGINE HOUSE.

A building should be erected on the lot purchased at the southeast corner of Bond street and Boundary avenue, which is 40 feet front by 120 feet deep, and an engine company placed in service, as it is some distance from the nearest engine company, in a constantly growing section of the city.

No. 10 HOOK AND LADDER HOUSE.

A building should be erected on the lot purchased on the south side of Lafayette avenue, west of Stricker street, which is 50 feet front by 150 feet deep, and a hook and ladder company placed in service, as a hook and ladder company is extremely necessary in this locality on account of the proximity of numerous charitable institutions containing many aged and infirm persons, and the distance from other hook and ladder houses.

APPARATUS.

One fire-boat named "Cataract."
One Hale water tower.
One extra first-class steam fire engine.
Three first-class steam fire engines.
Six second-class steam fire engines.
Six third-class steam fire engines.
Sixteen heaters for steam fire engines.
Eleven hose wagons.
Fifteen hose carriages.
Two first size Hayes' extension ladder trucks, 85 feet.
Three second size Hayes' extension ladder trucks, 70 feet.

One third size Hayes' extension ladder trucks, 56 feet.

Three small bank ladder trucks with chemical engine companies.

One double tank chemical engine, 100 gallons each tank.

Two double tank chemical engines, 85 gallons each tank.

Four double tank chemical engines, 50 gallons each tank.

Six wagons to carry fuel to engines working at fires.

Forty-six chemical fire extinguishers, each of 6 gallons capacity.

Two chemical fire extinguishers, each of 15 gallons capacity.

Eight Concord wagons with gongs and machinery for striking them, used by the officers.

One wrecking truck to carry broken apparatus on.

Ten circular nets for people to jump in at fires.

One wagon for carrying supplies.

RESERVE APPARATUS.

One first-class steam fire engine.

Four third-class steam fire engines.

One fourth-class steam fire engine.

One Hayes' extension ladder truck, 85 feet.

One bank ladder truck, with Bangor extension, 65 feet.

One light-weight hook and ladder truck.

One double tank chemical engine, each tank 50 gallons.

Two chemical fire extinguishers, 15 gallons each.

Three Concord wagons, with gongs and striking machinery.

TELEGRAPH DEPARTMENT.

Three covered wagons, used by the linemen.
One carriage, used by the superintendent.

All the apparatus is in good condition, but constant repairs are necessary, owing to the condition of the streets.

NEW APPARATUS AND WHERE IT WAS PLACED IN SERVICE.

One second size double vertical crane-neck piston steam fire engine, built by the LaFrance Company, with improved pumps; diameter of pumps, 4¾ inches; diameter of steam cylinders, 8¼ inches; length of stroke, 8 inches; diameter of boiler, 33 inches; height of boiler, 62 inches; capacity of engine, 750 gallons per minute; weight when ready for service, 8,200 pounds. Was placed in service at No. 1 Engine Company, September 22, 1893.

One third size double-vertical, crane-neck, piston steam fire engine, built by the LaFrance Company, with their improved pumps; diameter of pumps, 4¼ inches; diameter of steam cylinders, 7⅜ inches; length of stroke 8 inches; diameter of boiler, 32 inches; height of boiler, 60 inches; capacity of engine 600 gallons per minute; weight when ready for service 7,000 pounds. Was placed in service at No. 18 Engine Company.

Two hose wagons manufactured by Charles T. Holloway and placed in service at No. 18 Engine Company.

One Hayes extension ladder truck 70 feet, built by the LaFrance Company, with necessary equipments and

latest improvements, and placed in service at No. 3 Hook and Ladder Company.

One new heater to connect to engine, built by the E. J. Codd, Company, placed in No. 18 Engine House.

Seven six-gallon extinguishers made by Charles T. Holloway, two were placed in service at No. 18 Engine Company, one at No. 7 Engine Company, and one at No. 8 Engine Company, and two at No. 15 Engine Company, and one at No. 3 Hook and Ladder Company.

Six pistols for throwing life lines over buildings or in windows, are carried on Nos. 1, 2, 3, 4, 5, 6 Trucks.

Three double-pole arrangements to work three horses abreast were placed in service at Nos. 4 and 18 Engine Companies, respectively, and one is held in reserve.

One new covered wagon for lineman of telegraph department.

One new light-weight hook and ladder truck with the necessary equipments for service, built by Charles T. Holloway, was placed in service as a reserve truck in the annexed district.

ADDITIONAL APPARATUS REQUIRED FOR THE DEPARTMENT.

One second size and one third size double vertical crane-neck piston steam fire engines, the second size for No. 17 Engine Company and the third size for No. 19 Engine Company.

Two second size extension ladder trucks, with ladders

to reach the height of 70 feet, one for No. 10 Hook and Ladder Company and one to be placed in service in No. 6 Hook and Ladder Company, and the 55 foot ladder truck, now used by that Company, placed in reserve.

Two double-pole arrangements to work three horses abreast.

One set of Pompier ladders to be placed in service in No. 4 Engine Company.

No. 11 Engine, full platform springs to front running gear.

No. 16 Engine (Fire-boat), a dynamo and searchlight on boat, as the same would be a most valuable adjunct to the efficiency of the company and of the department when working around water fronts, and the necessity for the same has been shown on numerous occasions.

Four additional hose wagons will be required to equip Nos. 17 and 19 Engine Companies, and six hose wagons will be needed to replace the old hose carriages in Nos. 8, 10, 11, 12, 13 and 14 Engine Companies.

HORSES.

There are now in the service of the department one hundred and forty-one horses, and with a very few exceptions, they are in first-class condition. During the year forty-one horses were purchased, thirteen of them being for companies in the annexed districts. The adoption of the poles to work three horses abreast in two companies required a number of extra horses to be purchased. Sixteen horses that were unfit for service, from various causes, were given in exchange.

The horses are used as follows:

Thirteen engine companies, four horses each	52
Three engine companies, five horses each	15
Four hook and ladder companies, three horses each.	12
Two hook and ladder companies, two horses each	4
Seven chemical engine companies, two horses each.	14
One chemical engine company, three horses	3
Two Annex hook and ladder companies, one horse each	2
One Annex hook and ladder company, two horses.	2
Water Tower, two horses	2
Officers and supply wagon	15
Fire-Alarm Telegraph Department	6
Reserves	14
	141

There will be thirteen additional hoses required during next year to equip the new engine and hook and ladder companies.

HOSE.

One hundred and eighty-eight sections, making nine thousand four hundred feet of two and a-half inch hose, complete with couplings were purchased during the year, of which eight thousand four hundred feet was fabric hose, and one thousand feet was gum hose of the following brands:

4,400 feet of Unique Treated Double Jacket Fabric Hose.

4,000 feet of American Double Jacket Fabric Hose.

1,000 feet of Maltese Cross Gum Hose, light weight.

There is now in service thirty-seven thousand one hundred feet of reliable hose, sixteen thousand seven hundred feet of medium quality hose. Fifty-one hundred feet of hose that would not stand the required pressure (two hundred pounds) was taken out of service.

There will be required for the department during the year 1894, seven thousand and one hundred feet of new hose; six thousand and one hundred feet of two and one-half inch fabric hose, and one thousand feet of two and one-half inch gum hose.

It is of great advantage to the working of the department to have in force the ordinance to protect hose, recommended my by predecessor in the last annual report, which was passed April 24, 1893; the fine and penalty there imposed preventing much expense and trouble.

HOSE.

Engine Companies.	New Hose Received.	New Hose Required.	Reliable Fabric Hose.	Medium Fabric Hose.	Reliable Gum Hose.	Medium Gum Hose.	Condemned Fabric Hose.	Condemned Gum Hose.
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
No. 1....	500	....	3100	350	200	....	300	50
" 2....	500	500	2800	1200	....	....	500	....
" 3....	800	600	1950	1450	....	....	150	....
" 4....	550	700	1450	2100	....	....	100	....
" 5....	500	600	1700	1500	....	200	600	100
" 6....	800	600	1850	1300	....	250	550	150
" 7....	800	600	2000	850	....	....	....	300
" 8....	1200	500	1600	900	....	....	350	100
" 9....	500	500	2200	1000	....	....	250	250
" 10....	500	500	2350	400	....	300	250	....
" 11....	500	500	1450	400	1000	....	650	....
" 12....	500	500	.....	.....	1000	1800	300	....
" 13....	500	500	2400	1150	....	....	450	....
" 14....	500	....	2600	400	....	....	200	....
" 15....	800	....	3650	150	....	....	100	....
" 16....	.....	....	500	1000	500	....	....	....
" 18....	2800	500	2800	.....	....	....	....	....
Total...	12250	7100	34400	14150	2700	2550	4750	950

LEADING HOSE FURNISHED TO CHEMICAL ENGINE COMPANIES.

No. 2, two hundred feet of four ply one-inch gum hose.

No. 3, one hundred and fifty feet of four ply three-quarter-inch gum hose.

No. 5, three hundred feet of four ply three-quarter-inch gum hose.

No. 7, three hundred feet of four ply one-inch gum hose.

Total number of feet, nine hundred and fifty.

FIRE-ALARM BOXES.

Fifteen additional fire-alarm boxes were put up, making the total number now in service, three hundred and forty-six, twelve of which are private boxes, and are placed inside of buildings. The new boxes are numbered and located as follows:

138—Foot of West Falls avenue.
166—Fell and Wolfe streets.
177—Montford avenue and Baltimore street.
187—Canton avenue and Luzerne street.
278—Washington and Eager streets.
336—Mulberry and Howard streets.
443—Maryland Electric Works, Pratt street.
45—Baltimore street and Fremont avenue.
456—Lexington street and Carrollton avenue.
457—Riggs avenue and Carey street.
458—Argyle and Lafayette avenues.

ADDITIONAL FIRE-ALARM BOXES IN THE ANNEXED DISTRICT.

7—Twenty-fourth street and Hampden avenue.
712—Cedar avenue, near Old Tyson Mill road.
721—Woodberry and Parkdale avenues.
73—Erdman and Harford avenues.

Keyless doors have been placed on the following fire-alarm boxes, making the number of fire-alarm boxes with keyless doors now in service one hundred and thirty-three:

132, 154, 165, 25, 328, 34, 342, 346, 347, 348, 35, 359, 37, 434, 435, 45, 452, 471, 533, 541, 542, 613.

The following fire-alarm boxes should be changed to keyless doors.

14—No. 3 Engine House, Lombard street.
17—No. 11 Engine House, Eastern and Patterson Park avenues.
234—Ann and Orleans streets.
24—No. 6 Engine House, Gay and Ensor streets.
257—No. 5 Hook and Ladder House, Aisquith street, near Oliver street.
259—Biddle and Valley streets.
263—Caroline and Preston streets.
264—Caroline and Monument streets.
27—No. 9 Engine House, Madison street.
272—Biddle and Wolfe streets.
324—Preston street and Druid Hill avenue.
326—McMechin street and Pennsylvania avenue.
327—McMechin street and Madison avenue.
36—No. 13 Engine House, Fremont street and Myrtle avenue.

364—No. 4 Hook and Ladder House, Biddle street.
367—Myrtle avenue and Hoffman street.
371—Mosher and Gilmor streets.
429—Baltimore and Calhoun streets.
455—No. 8 Engine House, Mulberry street.
46—Baltimore and Gilmor streets.
481—No. 14 Engine House, Hollins street.
53—No. 10 Engine House, Columbia avenue.
532—Barre and Warner streets.
534—Ridgely and Hamburg streets.
535—Columbia avenue and Wooster street.
612—Montgomery and William streets.
615—No. 12 Engine House, Fort avenue and Johnson street.
631—No. 6 Hook and Ladder House, Hanover and Ostend streets.

Instructions are placed on the doors of all keyless boxes notifying persons that the hook must be pulled down after opening doors, as many persons suppose the opening of the door which rings a vibrating gong to notify persons in the neighborhood that alarm is being sounded, sounds the alarm also. It has been frequently the case that persons have opened the doors of such boxes and failed to sound the alarm, so that the department is blamed for the delay when they have received no notice of the fire.

LOCATIONS WHERE FIRE-ALARM BOXES ARE REQUIRED.

Hanover and Lombard streets.
Hanover and Conway streets.
Camden and Paca streets.
Hill and Charles streets.

Conway and Fremont streets.
Cross and Race streets.
Howard and Stockholm streets.
Foot of Marshall avenue, Ferry Bar.
Garrett avenue and Beason street.
Baltimore and Schroeder streets.
Poppleton and Saratoga streets.
Baker and Calhoun streets.
Division and Robert streets.
Eutaw Place and Wilson street.
Baker and Calhoun streets.
Harlem avenue and Calhoun street.
Fulton avenue and Baker street.
Lafayette avenue and John street.
Fulton avenue and Pratt street.
Hollins and Stricker streets.
Harlem avenue and Monroe street.
Lexington and Pulaski streets.
Calverton and Frederick roads.
Calverton road and Franklin street.
Fulton avenue and Saratoga street.
Hollins and Mount streets.
Hamburg and Fremont streets.
Frederick road, opposite St. Joseph's Monastery.
Frederick road and Water lane.
Maiden Choice lane and Oregon avenue.
Orleans and Forrest streets.
East and Front streets.
Aisquith street and Harford avenue.
Hoffman street and Homewood avenue.
Lanvale street and Hopkins avenue.
Gorsuch avenue and Independence street.
Montebello and Gutman avenues.

Lexington and Frederick streets.
Lexington and Sharp streets.
Calvert and Franklin streets.
Pratt and South streets.
Courtland and Mulberry streets.
Fayette street and McClellan alley.
Mulberry and Pine streets.
Mulberry and Paca streets.
Paca and Franklin streets.
Baltimore and Pearl streets.
Pennsylvania avenue and Orchard street.
Fairmount avenue and Washington street.
Ann and Eager streets.
Oliver and Luzerne streets.
Chester street and North avenue.
Broadway and Lanvale street.
Bond street and Boundary avenue.

HORSES.

The twenty-seven houses that are owned by the city and occupied by the companies are generally in good condition and repair. Some alterations and improvements are required for the comfort and efficiency of the members of the several companies. The house at Hampden is not owned by the city, but is rented at three hundred and sixty dollars per annum. A lot should be purchased and a house erected for the company located there.

The alterations and repairs that have been made are as follows:

ENGINE HOUSES.

No. 1—Flooring, stalls and roof repaired; wainscoting put around stalls; hydrant repaired.

No. 2—Stalls repaired and painted; stairway and bath-room repaired and painted; plumbing in bath-room repaired; iron box over drain-pipe on front pavement, with iron pan inside of front door to carry off waste water.

No. 3—Roof repaired and new door at the head of the steps leading to same.

No. 4—New flooring in front part of first floor and stalls; new pavement in front of house; an additional stall put up for third horse; walls and ceiling of first floor painted, roof repaired; new steps and balcony on outside of hose tower; new sash in rear doors; new water closet on first floor; new water trough, plumbing overhauled.

No. 5—New skylight over engine room; tin roof repaired; coal bin and platform in hay-loft repaired.

No. 6—New floor in engine room; roof repaired and painted; landings in bell-tower repaired and painted; bunkroom papered.

No. 8—Roof repaired; slab and bowl on washstand renewed and stalls repaired.

No. 9—Roof and stalls repaired.

No. 10—Wainscoting painted; new floors in stalls;

new chimney cap; new steps in rear leading to roof; and new water closet in bath-room and plumbing overhauled.

No. 11—Stalls removed from back part of house and placed side of apparatus; old stairway removed and new iron spiral stairway put up; cement floor in rear part of house and new water closet.

No. 12—New drain-pipe from waste-pipes of house to neighboring sewer; stalls removed and placed side of apparatus; new iron column supporting second floor put up; cement floor and three box stalls in rear of house; one new cupboard rear of house wainscoted and ceiled; new large doors in rear on side street; manure pit cemented; sliding poles changed; roof and spouting repaired, and chimneys recapped.

No. 13—Stalls removed and placed side of apparatus; floor underpinned; old stalls taken down; two new sliding poles put up; new wire screens for windows; new and larger water supply-pipe; new drain-pipe from stalls; new cement floor in rear of house; new stall mats for rear stalls; new large door on side of house; roof and plumbing repaired, and necessary repainting.

No. 14—One new front door; walls of engine room whitecoted; stalls cemented, and new floors in same.

No. 15—New roof ladder and stalls repaired.

No. 16—New bolts on doors; window frames and doors painted.

No. 18—New windows and doors in hose tower; two frame sheds for fuel and workshop built in rear, and new tanks in water closet.

HOOK AND LADDER HOUSES.

No. 2—Roof repaired; new bath-tub and tank in water closet; three new stalls in truck-room and one in rear of house.

No. 3—New window sash in front doors and new flooring on portion of first floor.

No. 4—New doors on manure-pit and new partition in bunk-room; new watch-tower on roof.

No. 5—Roof repaired; new watch-tower on roof and board walk to same; new floors; stalls changed.

No. 6—New rainspout and roof repaired; new front doors and panel and wainscoating around same; new boiler and connections to furnish hot water to bath-room.

CHEMICAL ENGINE HOUSES.

No. 1—New cement floor in engine and truck-rooms; stalls repaired and drained; new water and drain-pipes put in house; roof and spouting repaired; stalls braced and painted; engine and truck-rooms painted, and one new window sash; new bath-tub and partition around same.

No. 2—House painted on inside.

No. 4—New roof on part of house and same painted; floor repaired and new stall floors.

No. 5—Front and inside of house painted; water put in house; new cupboard in feed room; new front doors; new roof on back shed; main roof repaired and necessary painting.

No. 6—New roof on back shed; front doors and pavement repaired; inside of house painted.

REPAIRS AND ALTERATIONS REQUIRED—ENGINE HOUSES.

No. 1—Dry house lenghtened 10 feet and widened to two feet and repaired; new tin roof; inside of house repainted; slight repairs to floors and wainscoating.

No. 2—New floor in engine-room and stalls; iron screens on stall posts; front doors repaired and new springs on same. Dry house lenghtened; south wall repaired; bath-room enlarged and better ventilated, and ventilation of house made better; chimney built so that stove can be placed in bunk-room; house painted inside and out and roof painted; floor in engine room graded.

No. 3—New floor in engine room and room painted; new tin roof on entire building; front doors made wider so as to admit three horses working abreast; extra stall put up; stairway removed to other side of room.

No. 4—Roof and flag-pole painted; new sash in front door; new water closet in bath-room.

No. 5—New floor in engine room; stairway on second floor boxed in; woodwork on first floor on outside and side walls painted.

No. 6—Door in hay-loft made larger; new pair of cellar steps; house painted on inside, and window frames and sash on first floor repaired.

No. 7—New floor in engine room; new tin roof; window sash and shutters repaired.

No. 8—Hose-tower raised; new floor in stable; brickwork over left door repaired.

No. 9—New pavement with arch over gutter; partition in second story removed; sleeping-room papered; new roof over house and board walk over same; roof on back shed repaired and house painted inside and out; and covering over manure pit.

No. 10—House painted inside and out; new board walk on roof.

No. 11—Two new sliding poles in front part of house; house painted inside and out; partition on second floor removed and room papered; ventilator in bunk-room.

No. 12—Four new stalls with cement foundation; new floor in engine-room; bunk-room papered; hose tower raised; one new sliding pole; new fence in rear; window sash on second floor repaired, and house painted inside and out.

No. 13—New floor in engine-room, and inside of house painted.

No. 14—Hose tower raised, and stairway to same; new trapdoor in roof; house painted inside, and roof painted; new drain from horse stalls.

No. 15—Fire wall between hay loft and sleeping-room raised above roof; walls of sleeping-room repaired and papered.

No. 16—Repainting roof and woodwork on outside of house and varnishing sitting-room.

No. 18—Floor of engine-room pitched to the front; yard and back shed cemented; three box stalls in yard and one-story building over same; wall of bunk-room painted.

HOOK AND LADDER HOUSES.

No. 2—Ventilating skylight in center of sleeping-room.

No. 3—Front doors widened and new pavement.

No. 4—Sliding doors in back stable; manure pit repaired; drain from back stable to connect with front drainage; cement floor from back stable to front truck-room; new wooden floor in front truck-room.

No. 5—House painted inside and outside.

No. 6—Large door in rear of house reduced to small door, and small door on side of house enlarged and kerb lowered so as to permit exit of District Engineer's wagon and one stall in rear removed further front and side of other stall taken down; front of house painted.

CHEMICAL ENGINE HOUSES.

No. 1—Should be rebuilt as it is not suitable for an engine house.

No. 2—Spouting and gutters repaired; remove stairway to rear of first floor; place stalls side of apparatus; front of house painted.

No. 4—Should be rebuilt as it is in a very delapidated condition and manifestly injurious to the efficiency of the company as well as the health and comfort of the members.

No. 5—Sleeping-room papered and outside painted.

FIRES.

During the year 1893 the department attended 644 fires and alarms, which were received from street boxes, instantaneous and automatic boxes, and 185 silent fires; this is an increase of 34 over the preceding year.

We are unable to publish the estimated losses by fire this year, owing to the refusal of the officers of the Salvage Corps, who are the only persons having a complete record of them, either to furnish the Board with them or to permit an agent of this department to obtain them, though frequently requested to do so. The utter unreliability of these estimated losses which has been shown during the past year, renders them of very little value in forming a fair estimate of the real losses sustained by fire in this city.

The large number of fires and the serious character of some of them, have on several occasions put the department to severe tests, and its efficiency is more than demonstrated in the numerous fires that were extin-

guished in from ten to twenty minutes after the alarm was given. The greatest danger we have to contend with is the want of sufficient apparatus to cope with two large fires at one time.

On October 13th there were two destructive fires at the same time, completely destroying the Brush Electric Light Works and damaging the Baltimore City Jail and imperiling the lives of its inmates. A fearful gale was raging at the time and sparks from the Brush fire were carried into the ventilators on the roof of the jail, which communicated to the roof of south wing and completely burned it off. The inmates were locked up and in great danger of suffocation, but were released after heroic efforts of the department.

The alarms from 249 and 316 boxes called all the engine companies except two, and all the hook and ladder companies into service.

On December 2d, the destructive fire among the Paca street warehouses was signaled from box 436 followed three minutes later by a general alarm calling twelve engine companies and four hook and ladder companies into service, these alarms were followed immediately after by other alarms from boxes 414, 416 and 361, which called all the other companies except the fire-boat and some of the chemical engine companies. It became necessary, owing to the magnitude of the fire and the area it covered and the numerous small fires engendered by the myriads of flying sparks to place these other companies in service for a short time. Through the excellent working of the department, the

danger was over and fire under control in less than two hours, and the companies were returned to quarters as soon as could be spared. Had another large fire occurred at that time we would have had to telegraph to neighboring cities for help.

These fires, and the like may occur at any time, clearly demonstrate the necessity of enlarging and strengthening the department, and that the same must be done at once.

NOTABLE FIRES WHERE THE LOSS EXCEEDED TEN THOUSAND DOLLARS.

January 19th—Leadenhall and West streets. The buildings were a three-story brick fertilizer factory, with two-story frame addition in rear, and occupied by the American Phosphate Company. The fire originated in rear building and spread rapidly to the other one, both buildings and contents being badly damaged. A number of tanks of sulphuric acid were burnt, causing the acid to run over the pavements and gutters, making the work of extinguishing the fire very difficult and destroying nearly two thousand feet of hose belonging to the department. The cause could not be ascertained, but was probably the action of the chemicals. The first alarm was received at 6.44 P.M., the second at 6.51 P.M. and the third at 6.55 P.M.; recall signal at 2.13 A.M., January 20th. The services of nine engines and three hook and ladder trucks were required.

February 1st—No. 909 East Pratt street. The building was a four-story brick warehouse occupied by the Kenwood Novelty Company as a manufactory for toys,

games, &c., with a two-story brick building in the rear. Owing to the combustible nature of the contents the fire had gained great headway and destroyed the entire interior. The services of eight engines and four hook and ladder companies were required. The first alarm was received at 9 o'clock A.M., second alarm 9.05 A.M. Recall signal 12.15 P.M.

March 14th—Marshall, Winder, Wells and Byrd streets. A three-story brick, a two-story brick and a one-story frame building, being part of a group of buildings constituting the tinware factory of Matthai & Ingram. The buildings were communicating, causing the fire to spread rapidly and great difficulty was experienced by the department owing to the scarcity of water in the neigborhood. By hard work the fire was confined to three buildings, only burning the roofs and upper floors of two and three-story building, and partially burning one-story building. The first alarm was received at 5.32 A.M., second alarm 5.37 A.M., third alarm 6.13 A.M., recall signal 3.41 P.M. The services of seven engines and three hook and ladder trucks were required. The fire was caused by a kettle of grease boiling over.

March 29th—Biddle street and Argyle avenue. A one-story brick building with stone trimmings, occupied as St. Barnabas Protestant Episcopal Church. Owing to the fact that the church set back some distance from the street, the fire had made considerable headway before it was discovered. The fire spread to the three-story dwellings, Nos. 909, 911 and 913 Argyle avenue, and the two-story dwelling 903 Cedar court. No. 909

Argyle avenue was directly in rear and abutting the church, and was badly damaged, the other buildings had roofs and upper story burned. The first alarm was received at 4.21 A.M., second alarm 4.27 A.M., recall 11.27 A.M. The services of six engines and two hook and ladder trucks were required. The cause of the fire was an overheated furnace setting fire to surrounding woodwork.

March 30th—17 West Lexington street. A four-story brick building with three-story brick and frame building in rear, occupied on first floor by Nathan Gutman as a notion store, and on upper floors as a photographic establishment. The brick and frame back building was badly damaged by fire, and the stock was injured by smoke and water. The services of four engines, one chemical engine and three hook and ladder trucks were required. The first alarm was received at 8.19 A.M., second alarm 8.29 A.M., recall signal 11.26 A.M. The cause of the fire was explosion of chemicals in developing room of photographic establishment.

April 14th—317 West Lexington street. A three-story brick building occupied by C. L. Fiske as a sewing machine store. The fire originated in the cellar and destroyed the entire interior of the building, doing some slight damage to the roof of No. 319, adjoining. The first alarm was received at 10.48 A.M., second alarm 10.54 A.M. Recall signal 1.22 P.M. The services of seven engines, one chemical engine and four hook and ladder trucks were required. The cause of the fire could not be ascertained.

April 27th—327, 329 and 331 Warren avenue. A three-

story brick building occupied by George F. Jones and Company as a paper factory. The fire originated among some bales of rags on third floor and destroyed that floor and its contents consisting of stock and machinery. The fire was prevented from spreading to lower floors, though stock on same was damaged by water and smoke. The alarm was received at 3.50 P.M., second alarm 4.03 P.M., recall signal 10.34 P.M. The services of eight engines, one chemical engine and two hook and ladder trucks were required. The cause of the fire could not be ascertained.

May 16th—32 West Baltimore street. A five-story brick building fronting Hanover street, occupied by O. F. Day Son & Company as a harness and trunk factory. The fire was discovered on first floor and the strong south wind blowing caused it to spread rapidly, completely destroying interior of building with slight damage to adjoining ones. The water tower did excellent service in preventing its spread to adjoining buildings. The alarm was received at 1.34 P.M., second alarm 1.37 P.M., third alarm 1.45½ P.M.; recall signal 9 P.M. The services of twelve engines, one chemical engine, four hook and ladder trucks and the water tower were required. Owing to the complete destruction of the building the cause of the fire could not be ascertained.

June 2d—521, 523, 525 and 527 West Lee street. A two-story brick building, two-story frame building, one-story brick and a one-story frame building occupied by C. Eppler & Sons as a barrel factory and cooper shop. The buildings were connected by wooden bridges, which conveyed the fire rapidly from one to the other, but it

was checked after partially burning them. The alarm was received at 6.34 P.M., second alarm 6.42 P.M.; recall signal 12.22 A.M., on the 3d. The services of six engines, one chemical engine and two hook and ladder trucks were required. The cause of the fire could not be ascertained.

June 6th—813, 815 and 817 South Howard street. A two-story brick building with one-story frame addition in the rear, occupied by Jacob Wheatfield as a wooden box factory. Owing to the inflammable nature of the contents the fire burned fiercely and great difficulty was experienced in reaching it by reason of the boxes in the interior being piled solid to the roof, which had to be removed so that water could be poured in from the top to drown out the fire. The first alarm was received at 10.04 P.M., second alarm 10.08 P.M., third alarm 10.23 P.M., recall signal 3.49 A.M. on the 7th. The services of seven engines and two hook and ladder trucks were required. The cause of the fire could not be ascertained.

August 10th—407 and 409 Third avenue, Hampden, in the annexed district. A three-story brick building, occupied by Edward McCann as a house furnishing store and dwelling, a one-story frame stable in the rear, and two-story frame dwelling adjoining. The fire orginated in stable and extended to other buildings, destroying the stable and dwelling, and burning third floor and roof of store. Great difficulty was experienced in getting a sufficient supply of water as the plugs are scarce in that locality and some of the engines had to draught water from the Hampden reservoir some distance away.

The first alarm was received at 4.49½ P.M., second alarm 4.56¼ P.M., recall signal 10.43 P.M. The services of three engines, four chemical engines and two hook and ladder trucks were required. The cause of the fire was spontaneous combustion of new hay in stable.

August 21st—308 Light street. A three-story and attic brick building occupied by R. C. Norman as a warehouse for the storage of material for making brooms. The dry material composing the stock made a fierce hot fire, which would have done more damage had it not been for the fire-boat which got a favorable position and quickly subdued the flames with the heavy three-inch stream from the bowpipe. The upper floors and contents were burned out. The first alarm was received at 6.35 P.M., second alarm 6.38¾ P.M.; recall signal 2.40 A.M., on the 22d. The services of six engines, the fire-boat, one chemical engine and three hook and ladder trucks were required. The cause of the fire could not be ascertained.

August 23d—303 West Baltimore street. A five-story brick and iron building, extending through to German street, occupied by Aaron Brag as a furniture store. The fire originated on fifth floor and destroyed same and contents and roof over it. Owing to the inflammable character of the stock, considerable water had to be thrown to subdue the fire, which, percolating through the defective division wall on the west side, considerably damaged the stock of clothing of I. and H. Mann & Company; besides, the stock was also greatly injured by smoke which penetrated the same way. Not a particle of water was thrown by the department in the lat-

ter building as has been erroneously alleged. The first alarm was received at 9.16 A.M., second alarm at 9.37 A.M.; recall signal at 12.58 P.M. The services of nine engine companies, one chemical engine and four hook and ladder trucks were required. The cause of the fire could not be ascertained.

August 29th—241 Smith's Wharf. A three-story brick building occupied by W. W. Clark & Son as a lime, hair and cement warehouse. A heavy southeast storm was raging at the time, and the tide was so high that the men were compelled to work in water waist deep. The fire-boat was again of great service in stopping the fire. A number of the members working at the fire were severely injured by having their feet and legs burned by the lime slaking. The first alarm was received at 3.21 A.M., the second alarm at 3.30 A.M., being transmitted to the companies by rocket signals, owing to the wires of the fire-alarm telegraph being cut out by the storm and crossing with electric wires, it being the first time the signal was used. The companies responded promptly; the recall was 11.23 A.M. The services of five engines, the fire-boat and two hook and ladder trucks were required. The fire was caused by the lime slaking from the water flooding the building owing to the high tide.

October 12th—932, 934, 936 and 938 Linden avenue. A three-story brick building with two-story brick back building, occupied by J. Riddlemoser as a livery stable. The fire originated in hay-loft over two-story back building and communicated to second and third floors of main building, extending through to roof and destroying carriages, sleighs, &c., stored therein. The first alarm

was received at 11.47 A.M., second alarm at 11.56 A.M., third alarm 12.01 P.M.; recall signal 3.46 P.M. The services of eight engines, one chemical engine and three hook and ladder trucks were required. The cause of the fire was the spontaneous combustion of new hay in loft.

October 13th—Monument, Grove and Constitution streets. A four-story brick building, occupied by the Brush Electric Light Company as a power house for generating electricity for light and power. A terrific storm was raging and wind blowing a hurricane, causing the complete destruction of the building and contents, and damage to the four-story brick building adjoining, occupied by the Crown Bottle Seal Company as a manufactory for patent stoppers for bottles, and a stable in the rear. The heroic efforts of the department prevented the further spread of the flames to the surrounding property, except that the wind carried the sparks to the Jail, as mentioned in the next fire. The first alarm was received at 9.57 P.M., second alarm at 10.05 P.M., third alarm at 10.08 P. M.; recall signal at 1.40 P.M., on the 14th. The services of eleven engines and four hook and ladder trucks were required. The fire was caused by the electric light wires becoming crossed from the force of the wind and setting fire to a wooden cupola on top of building.

October 13th—Madison and Buren streets. A two-story and attic stone building, occupied by the City of Baltimore as the City Jail. The fire was confined to the attic rooms and roof, with some damage to interior cells of south wing of same. A large number of pris-

oners were confined in the building, locked in their cells, and were in great danger of being suffocated by smoke, but by heroic efforts on the part of members of the department, assisted by the deputy wardens and police officers, they were all released, though three subsequently died from injuries received in trying to escape. The first alarm was received at 10.44 P.M., second alarm 10.56 P.M.; recall signal at 1.41 P.M. on the 14th. The services of three engines and two hook and ladder trucks were required, and as the fire was in progress at the same time as the Brush Electric fire, it severely taxed the resources of the department, as has already been stated. The cause of the fire was a spark from the Brush Electric fire, being carried by the high wind prevailing into the wooden ventilator on top of roof, thence extending to roof before it was discovered.

November 13th—28 Hanover street. A five story brick and iron building, occupied by Isaac M. Appel as a shirt and overall factory. The fire spread rapidly up the elevator and destroyed portions of the second, third, fourth and fifth floors around the elevator before it could be checked. Had the fire occurred earlier, when the employes, many of whom are females, were in the building, loss of life would undoubtedly have resulted, as the fire-escape on building is of the straight ladder pattern and wholly inadequate for the purpose for which it is intended. The first alarm was received at 5.47 P.M., second alarm 5.51½ P.M., third alarm 5.54½ P.M.; recall signal at 9.40 P.M. The services of seven engines and four hook and ladder trucks were required. The cause of the fire could not be ascertained.

November 27th—23 and 25 S. Gay street. A five-story brick and iron building, occupied by Griffith, Boyd & Company, Ryland Brooks, Campbell & Zell Company, Elliott and Hoffman, and others, as an office building and storage warehouse. A lot of cotton samples were stored on upper floors, and the fire soon spread throughout building. The water-tower did good service in preventing the spread of the fire, which was confined to the one building, though the adjoining buildings were somewhat damaged by smoke and water. The first alarm was receeived at 9.52 P.M., second alarm 9.57 P.M, third alarm 10.12 P.M.; recall signal 8.33 A.M. on the 28th. The services of twelve engines, one chemical engine, four hook and ladder trucks and the water-tower were required. The cause of the fire could not be ascertained.

December 2d—Nos. 26, 28, 30, 32, 34, 36 and 38 S. Paca street, Greene and Lombard streets, German street, and Greene and German streets, Greene street, Pearl street, Saratoga street. The fire originated at No. 34 S. Paca street, a six-story brick building, occupied by Charles Heiser as a shoe factory, on upper floors by the Deutsch Lithographing Co., and L. Juhn, underwear manufacturer on lower floors. When the alarm was sounded the fire must have had considerable headway, for when the first companies arrived on the ground, this building was on fire from cellar to roof. Positions were taken on roofs of buildings immediately adjoining, but in a few minutes the men were compelled to flee for their lives, dropping their pipes and hose, which were lost in the ruins. In a half hour the walls were down carrying the fire into and crushing adjoining houses. The water-tower was placed in service, but was disabled by the

hose being burnt in same, and when an attempt was made to remove it, it became entangled in the electric wires overhead, and was rendered dangerous to handle and therefore useless. The fire then spread to No. 32 South Paca street, a six-story brick building, occupied by D. Langfeld as a cloak manufactory, and to the four-story brick building Nos. 28 and 30 South Paca street, occupied by Aug. Mencken & Bro. as a cigar factory, and burned roof of Nos. 24 and 26 South Paca street, occupied by John Dotterweich as a saloon and dwelling, and to No. 511 West German street, occupied by Louis Coblens as a livery stable; meanwhile on the south side the fire spread to a two-story-brick building, which was formerly a church, used as a storehouse by M. S. Levy & Sons, hat manufacturers, destroying same, and to the roof of the six-story brick building Nos. 36, 38 and 40 S. Paca street, occupied by M. S. Levy & Sons as a hat factory, burning off roof and damaging sixth floor; on the west the fire communicated to the three-story brick building, occupied by the Medical School of the University of Maryland as a dissecting room and chemical labratory, destroying same by fire and falling walls, together with nine bodies contained therein, and slightly damaged the roof of adjacent main building of the University. The buildings on east side of Paca street had glass cracked in every window. The flying sparks also set fire to the two-story brick church corner Greene and German streets, occupied as a synagogue by a Hebrew congregation, which, however, was extinguished with slight damage to roof. The sparks also set fire to the roofs of numerous buildings on Greene street, Baltimore street, Pearl street, and Saratoga street, the grass in churchyard corner Greene

and Fayette streets, extending as far as Pine and Franklin streets. These were all promptly extinguished by chemical engines which had been called. A fire of this magnitude and character demonstrates clearly the need of more apparatus for the department, as it was only by the magnificent work of the department that it was confined within comparatively narrow limits. The first alarm was received at 5.01 P.M., general alarm 5.04 P.M; recall signal 12.10 A.M. on the 4th. The services of sixteen engines, four chemical engines, six hook and ladder trucks, and the water-tower were required. The cause of the fire could not be definitely ascertained, but was supposed to be sparks from furnace in cellar of Heiser building, where it originated.

Fire-Alarm Boxes where Second, Third and General Alarms were Sent in From, in 1893.

Box.	Location.	Date.	Second.	Third.	General
624	Sharp and Cross streets	January 19th	Second	Third	
345	Charles street and Boundary avenue	January 24th	Second		
291	Huntingdon avenue and York road	January 25th	Second		
146	Stiles and Albemarle streets	February 1st	Second		
68	Marshall and Winder streets	March 14th	Second	Third	
365	Pennsylvania avenue and Greenwillow st	March 29th	Second		
318	Charles and Barnett streets	March 30th	Second		
418	Howard and Lexington streets	April 14th	Second		
614	Hamburg and Johnson streets	April 27th	Second		
412	Baltimore and Hanover streets	May 16th	Second	Third	
283	Harford road, near car stable	May 25th	Second		
526	Sharp and Camden streets	June 2d	Second		
532	Barre and Warner streets	June 2d	Second		
546	Howard and Hamburg streets	June 6th	Second	Third	
14	No. 3 Engine House, Lombard street	June 9th	Second		
31	Calvert and Pleasant streets	June 15th	Second		
242	Madison and Forrest streets	June 19th	Second		
248	Bath and Holliday streets	June 29th	Second		
394	No. 7 Chemical Engine House, Hampden	August 10th	Second		
522	Conway and Light streets	August 21st	Second		

414	German and Howard streets	August 23d	Second		
516	Ostend and Warner streets	August 24th	Second		
123	Gay and Pratt streets	August 29th	Second		
48	Landwehr lane and Frederick avenue	August 29th	Second		
134	Concord street and Eastern avenue	August 31st	Second		
171	Chester street and Canton avenue	September 11th	Second		
64	Light and Heath streets	September 18th	Second		
35	Biddle and Garden streets	October 12th	Second	Third	
249	Brush Electric Works, Monument street	October 13th	Second	Third	
316	Monument and North streets	October 13th	Second		
412	Baltimore and Hanover streets	November 13th	Second	Third	
13	Pratt Street bridge	November 21st.	Second		
12	Baltimore and Gay streets	November 27th	Second	Third	
524	Charles and Barre streets	December 1st	Second		
436	Lombard and Paca streets	December 2d			General.

TABLE

Exhibiting the Number of Fires for the Hours of the Day during the Year 1893.

A. M.		*P. M.*	
BETWEEN		BETWEEN	
12 to 1 o'clock	42	12 to 1 o'clock	32
1 to 2 o'clock	31	1 to 2 o'clock	31
2 to 3 o'clock	26	2 to 3 o'clock	34
3 to 4 o'clock	17	3 to 4 o'clock	56
4 to 5 o'clock	19	4 to 5 o'clock	31
5 to 6 o'clock	14	5 to 6 o'clock	42
6 to 7 o'clock	18	6 to 7 o'clock	57
7 to 8 o'clock	21	7 to 8 o'clock	55
8 to 9 o'clock	36	8 to 9 o'clock	43
9 to 10 o'clock	33	9 to 10 o'clock	49
10 to 11 o'clock	37	10 to 11 o'clock	33
11 to 12 o'clock	38	11 to 12 o'clock	34

TABLE

Showing the Number of Fires on each Day of the Week for the Year 1893.

Day.	Number of Fires
Sunday	95
Monday	108
Tuesday	142
Wednesday	133
Thursday	117
Friday	105
Saturday	129
	829

TABLE

Showing the different causes of Fires and Alarms during the year 1893.

Benzine poured on stove	1
Box pulled for preceding fire	9
Burning chimney	16
Carelessness	16
Children playing with fire	2
Children playing with matches	15
Children playing with oil can near stove	1
Defective flue	47
Electric light wire	14
Explosion of benzine	1
Explosion of can of gasoline	8
Explosion of chemicals	1
Explosion of coal oil lamp	35
Explosion of gas meter	2
Explosion of gasoline or coal oil stove	76
Explosion of water-back in range	1
Falling acid bottle	1
Falling lamp	2
False alarm	28
Fire falling from open grate	6
Fire dropping through hearth	2
Fireworks	7
Friction of machinery	5
Gas jet setting fire to	12
Grease boiling over	3
Hot ashes in a wooden box	1
Hot oyster shells agains woodwork	1
Incendiary	16
Leaking gas taking fire	2

Light from pottery	1
Light in windows	1
Light near woodwork	4
Lightning on wires	1
Meat falling in fire	1
Mice or rats nibbling matches	4
Oil poured on stove	1
Overheated boiler	3
Overheated cupola	3
Overheated furnace or stove	40
Overheated Kiln	3
Overheated oven	3
Overheated stove-pipe	17
Rags falling on stove	1
Rekindling of previous fire	4
Set on fire by boys	7
Slaking lime	6
Smoke from chimney	4
Smoke from disjointed stove-pipe	2
Smoke from windows	11
Sparks from chimney or stack	20
Sparks from furnace or stove	7
Sparks from pipe	7
Sparks from locomotive	3
Sparks from preceding fire	3
Sparks from smoke-house	1
Sparks from tinners fire-pot	4
Spontaneous combustion	11
Thawing out water-pipe	2
Unknown	312
Upsetting lamp	4
Upsetting can of coal oil near furnace	1
Vapor from gasoline taking fire	5
Wood piled against stove	1

Summary of Fires for the Year 1893.

Month.	Dist. 1.	Dist. 2.	Dist. 3.	Dist. 4.	Dist. 5.	Dist. 6.	City.	Annex.	Total Box.	Silent.	Total.
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
January	9	14	18	8	10	8	59	8	67	16	83
February	13	8	4	4	5	9	40	3	43	11	54
March	14	7	3	8	14	4	47	3	50	15	65
April	13	13	12	2	6	9	48	7	55	21	76
May	9	12	7	9	16	11	53	11	64	14	80
June	9	14	8	6	7	8	48	4	52	8	60
July	16	21	9	5	8	9	61	7	68	25	93
August	7	9	10	4	11	11	42	10	52	22	74
September	8	7	5	5	8	7	36	4	40	22	62
October	7	8	7	5	4	12	40	3	43	9	52
November	9	7	3	12	10	9	45	5	50	13	63
December	18	7	12	5	11	7	53	7	60	9	69
	132	127	98	71	110	104	572	72	644	185	829

OVERHEAD WIRES.

I again call attention to the absolute necessity of placing all the overhead wires under ground as their present condition is a great interference with the working of the department, and a menace to the lives of the members. At almost every large fire the ladder service is delayed, and sometimes even prevented by the network of overhead wire, and the ladders, trucks, &c., are so charged with electricity as to make it impossible and dangerous to touch them. This condition of affairs should be remedied, and the only proper remedy is to place all telegraph, telephone, electric light and trolley wires under ground. Pending the passing of the necessary legislation on the subject, and in order to give immediate relief as far as possible to the members of the department when working at fires, I recommend that an ordinance be passed to compel electric light and railroad companies using trolley system to have men always ready to respond to fires wherever the wires hinder the department in extinguishing fires, so as to turn off the electric current when required.

The fire-pump on the Police-boat Lannan has rendered valuable service at a number of fires around the water front.

Experience has demonstrated that another water tower and fire-boat are absolutely necessary to the proper working of the department, for should the ones in use be disabled, which is liable to occur at any time, we have nothing to take their places, and should it become necessary to use both, which has occurred, they would prove a valuable addition to the service.

I call special attention to the need of additional companies and apparatus for the department, as we have not sufficient facilities to cover the large territory we have to cover, and in the event of two large fires occurring at once, we are censured for our inability to cope with them, when it is in no sense our fault.

FIRE-PLUGS AND WATER MAINS.

The scarcity of water in many localities by the absence of sufficient plugs and mains is another source of great trouble to the department. I call particular attention to the vicinity of Pratt street, from Greene to Poppleton streets, which is closely built up with factories, many of which are wood-working establishments. The mains are totally inadequate to furnish enough water to supply our engines, and the plugs are too few and far apart to be of any service.

The supply at Light street in the vicinity of Winder street is also very small, and as the neighborhood is being rapidly built up with factories, something should be done as soon as possible to increase it.

There is a scarcity of water in the locality of Carey street, south of Pratt street, the mains being so small that there is barely a supply for one engine, all others being rendered useless from want of water.

Additional mains and plugs are absolutely required in these localities for the proper protection of lives and property.

The number of plugs put up during the year was 56, making the total number now in service 1,476.

Additional fire-plugs are also needed in several localities in the business sections of the city.

In conclusion, I beg to state that with the improvements already inaugurated and those contemplated in this report, the department will be second to none in the country in its equipment as it is already the equal of any in efficiency.

Respectfully submitted,

JOHN J. LEDDEN,

Chief Engineer.

LOCATION OF COMPANIES

— AND —

ROSTER.

ENGINE COMPANY No. 1.

Located on Paca street, north of Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Herman F. Bichy	35	Captain	3 yrs. 9 mo.	626 W. Saratoga st..	Clerk.
William F. Morrow.....	43	Lieutenant .	16 years...	1014 Druid Hill ave..	Moulder.
Charles E. Freburger...	46	Engineman .	18 " ...	111 Pearl street.....	Machinist.
John W. Eckhardt	30	Ass't Eng'n.	3 yrs. 4 mo.	650 W. Barre street.	Machinist.
Lewis J. Fresch	50	Hostler	22 years...	3 Pearl street.....	Driver.
Edward R. Addison	46	Pipeman....	19 " ..	651 W. Fayette st...	Machinist.
Albert Oelman.....	28	" ...	5½ " ..	638 W. Saratoga st..	Blacksmith.
Frank A. Hanssen.....	25	" ...	1 yr. 15 dys	654 W. German st...	Blacksmith.
Charles C. Stone.....	23	" ...	8 mo. 9 dys.	30 Albemarle street.	Driver.
John J. McCarthy.....	23	" ...	6 mo. 18 dys	223 N. Poppleton st.	Horseshoer.
Frederick Viehmeyer...	33	" ...	3 mo. 18 dys	630 Clinton avenue..	Driver.

ENGINE COMPANY No. 2.

Located on Barre street, west of Sharp street.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William R. Ward	49	Captain	21 years	124 S. Calhoun street	Carpenter.
C. Henry Hammel	40	Lieutenant	7 "	113 W. Hill street	Plumber.
William J. Dohler	29	Engineman	6 months	1013 Stiles street	Machinist.
Daniel H. Weber	33	Ass't Eng'n	4 yrs. 4 mo.	213 W. Barre street	Machinist.
Frank Hines	29	Hostler	3 yrs. 9 mo.	1109 Race street	Tinner.
William Eckert	35	Pipeman	6 yrs. 8 mo.	19 W. Lee street	Brushmaker.
George C. Young	41	"	2 yrs. 9 mo.	505 S. Sharp street	Tinner.
George H. Hewitt	28	"	2 yrs. 8 mo.	114 W. Barre street	Brushmaker.
William R. Birckhead	29	"	2 years	227 W. Barre street	Cigarmaker.
Charles E. Rice	24	"	9 months	36 E. Hill street	Packer.
John Kramme	24	"	9 months	925 S. Charles street	Cigarmaker.
Alfred Squires	51	"	21 years	903 Leadenhall street	Carpenter.

ENGINE COMPANY No. 3.

Located on East Lombard street, near High street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Benjamin Price	49	Captain	14 yrs. 8 mo	1420 E. Lanvale street	Coffee Roaster.
Maurice C. Bollman	28	Lieutenant	3 years	715 S. Fremont street	Painter.
Patrick F. Moriarty	43	Engineman	19 "	910 E. Lombard st	Machinist.
Thomas G. Huth	26	Ass't Eng'n	3 yrs. 8 mos	1901 Orleans street	Machinist.
John F. Peerce	50	Hostler	18 years	407 N. Front street	Baker.
George L. Schlimm	33	Pipeman	5 yrs. 8 mos	248 S. Exeter street	Boxmaker.
Herman Fumbaugh	35	"	5 yrs. 8 mos	1408 Gough street	Driver.
Robert H. Dougherty	37	"	5 years	237 S. Bond street	Undertaker.
August Schlimm	27	"	3 yrs. 7 mos	1010 Eastern avenue	Driver.
James T. Pearl	37	"	7 years	38 S. High street	Tobacco Worker.
John T. Seabreeze	48	"	10 months.	1506 E. Lombard st	Painter.

ENGINE COMPANY No. 4.

Lexington street, between North and Calvert street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William C. McAfee	29	Captain	6 years	17 E. Lanvale street	Plumber.
George W. Bentz	53	Lieutenant	24 "	405 N. Mulberry st	Baker.
John Gaffney	38	Engineman	17 "	1110 Clifton place	Machinist.
William T. Hubbard	35	Ass't Eng'n	1 mo. 14 dy.	227 S. Caroline st	Marine Engineer.
William H. Ryan	28	Hostler	1 month	842 Hillen street	Driver.
Constant Siebert	42	Pipeman	12 years	1138 Laurel street	Driver.
William H. Cullen	36	"	3 "	1312 Greenmount ave.	Driver.
George E. Croucher	32	"	6 "	913 Trinity street	Canmaker.
Edward Tauber	27	"	3 "	608 S. Greene street.	Driver.
John M. Frederick	31	"	6 "	1717 Harford avenue.	Shoemaker.
John Moeller	26	"	1 month	1029 Race street	Packer.
William E. Stewart	24	"	5 weeks	1 N. Frederick st.	Iron Moulder.

ENGINE COMPANY No. 5.

Located on Ann street, near Gough street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Andrew W. German	44	Captain	22 years	239 S. Ann street	Painter.
Charles Rosenthal	36	Lieutenant	3 "	512 S. Collington ave	Carpenter.
Fred. L. Nelson	46	Engineman	19 "	404 S. Ann street	Machinist.
John N. Bletzer	30	Ass't Eng'n	5 "	722 S. Bond street	Machinist.
Henry Murphy	42	Hostler	14 "	1838 Gough street	Sugar Refiner.
Henry R. Seippel	44	Pipeman	19 "	1739 E. Lombard st	Barber.
William B. Baker	36	"	12 "	208 S. Ann street	Brass Finisher.
John H. Reitz	31	"	6 "	2013 E. Lombard st	Merchant.
Anthony Schoepplein	38	"	2 yrs. 6 mo.	209 S. Register st	Cooper.
John F. Bilson	30	"	1 yr. 6 mos.	1758 Bank street	Painter.
William Hastler	30	"	9 months	525 S. Chapel street.	Driver.

ENGINE COMPANY No. 6.

Corner of Gay and Ensor streets.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Richard V. Pittinger...	45	Captain....	14 years...	1408 McElderry street	Carpenter.
Charles Betz.....	40	Lieutenant..	9 " ...	426 Colvin street....	Shoemaker.
Matthew Mulligan.....	55	Engineman .	23 " ...	1027 Valley street....	Machinist.
Thomas F. Sexton.....	39	Ass't Eng'n.	5 yrs. 6 mo.	936 E. Monument st.	Machinist.
Benjamin F. Seipp.....	40	Hostler	13 years...	209 N. Caroline street	Plumber.
Frank C. H. Berger.....	37	Pipeman....	8 " ...	805 Ensor street.....	Silversmith.
George Sykes.....	33	" ...	1 yr. 7 mo.	1115 E. Monument st.	Collarmaker.
Frederick W. Harman..	29	" ...	1 yr. 4 mo.	405 N. Spring street.	Brass Finisher.
John F. Maguire.....	25	" ...	9 months..	1318 E. Monument st.	Shipping Clerk.
John A. McKew.....	26	" ...	7 " ..	1706 E. Monument st.	Machinist.
Isaac Cuddy.....	24	" ...	1 month...	1422 Harford avenue.	Carpenter.
Harry Heinze.....	27	" ...	1 " ...	416 Ensor street....	Clerk.

ENGINE COMPANY No. 7.

Eutaw street and Druid Hill avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John B. Bortell.....	28	Captain.....	5 yrs. 3 mo	500 Ogden street....	Ship Rigger.
Thomas J. Strahler.....	34	Lieutenant.	14 years...	1320 Ensor street.....	Tinner.
Samuel W. Stansbury...	43	Engineman.	19 " ..	1925 W. Baltimore st.	Machinist.
Frank R. Nehren.....	29	Ass't Eng'n.	2 yrs. 8 mo	912 Argyle avenue...	Machinist.
Harman Schiminger....	39	Hostler	2 yrs. 9 mo	230 Rock street.	Hostler.
Charles A. Soistman....	40	Pipeman....	3 yrs.10 mo	610 Bradley street...	Drummaker.
Paul L. Linde.....	27	" ...	2 yrs.10 mo	537 W. Dolphin st...	Canmaker.
George Schneider	25	" ...	1 yr. 3 mos	915 Madison avenue.	Gas Fitter.
William McGann.....	32	" ...	11 months.	1216 Harford avenue.	Teleg'h Lineman.
Charles Sapp	32	" ...	11 " ..	2020 Rigwood avenue.	Laborer.
Edward Meinetzberger..	34	" ...	11 " .	1527 Pennsylvania ave	Gold Beater.

ENGINE COMPANY No. 8.

Located on Mulberry street, between Schroeder street and Arlington avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Andrew J. Walter	56	Captain	22 years	1020 W. Saratoga st.	Cigarmaker.
Frederick Johnston	50	Lieutenant	18 "	1132 W. Saratoga st.	Carpenter.
John A. Bannan	51	Engineman	16 "	1117 W. Riggs avenue.	Machinist.
William F. Awalt	33	Ass't Eng'n	3½ "	312 N. Poppleton st.	Machinist.
William J. Stewart	43	Hostler	18 "	424 N. Arlington av.	Tinner.
Greenbury Chapman	61	Pipeman	22 "	906 W. Baltimore st.	Shoemaker.
Charles Airey	42	"	9 "	319 N. Schroeder st.	Cigarmaker.
Jacob F. Rupp	36	"	5½ "	818 S. Gilmor street.	Plasterer.
James McGlennan	32	"	4½ "	236 N. Schroeder st.	Moulder.
John Krauss	33	"	4 "	1321 N. Carey street.	Tinner.
John J. Murphy	39	"	2½ "	1117 W. Franklin st.	Moulder.

ENGINE COMPANY No. 9.

Located on Madison street, east of Broadway.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
David H. Macaulay.....	67	Captain.....	33 years...	1211 N. Eden street...	Painter.
Solomon Uhlfelder.....	50	Lieutenant .	22 " ..	1914 E. Madison st...	Huckster.
Daniel R. Rogers.....	47	Engineman .	22 " ..	1706 E. Madison st...	Machinist.
William H. Stanton....	45	Ass't Eng'n.	16 " ..	5 N. Broadway	Machinist.
William B. Baker.....	36	Hostler	13 " ..	727 N. Washington st	Laborer.
James McDevitt.....	51	Pipeman....	22 " ..	1705 E. Madison st...	Harnessmaker.
William H. Cuddy.....	36	" ...	5½ " ..	1629 E. Madison st...	Driver.
Charles C. Neilson.....	40	" ...	15 " ..	1813 E. Madison st...	Bricklayer.
John E. Wallace.....	29	" ...	2½ " ..	1718 E. Madison st...	Painter.
John Amend.....	33	" ...	27 months.	1622 Orleans street...	Boxmaker.
Clinton Baker.....	33	" ...	10 " .	808 N. Wolfe street.	Laborer.

ENGINE COMPANY No. 10.

Located on Columbia avenue, near Poppleton street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Henry Stagge	28	Captain	2 yrs. 6 mo.	1117 Bowen street	Moulder.
Charles Romoser	32	Lieutenant	4 yrs. 5 mo.	507 S. Howard street.	Plumber.
John W. Walsh	44	Engineman	18 years.	1115 W. Baltimore st.	Machinist.
James Nugent	37	Ass't Eng'n.	10 "	417 S. Poppleton st.	Machinist.
Hunter S. Shettle	41	Hostler	1 yr. 7 mo.	2143 Wilkens avenue.	Hostler.
Justice G. Keiholtz	48	Pipeman	20 years.	896 W. Lombard st.	Mantle Setter.
Henry Zachman	40	"	5 yrs. 6 mo.	1003 S. Carey street.	Cigarmaker.
John Eigenbrodt	32	"	3 years.	876 Columbia avenue	Wood Carver.
Samuel W. Marker	43	"	13 years.	208 N. Arlington ave.	Carpenter.
Henry Ludwig	43	"	2 years.	865 Ramsay street.	Boxmaker.
John F. Pons	35	"	13 months.	900 Clifford street.	Carpenter.

ENGINE COMPANY No. 11.

Located on Eastern avenue, corner of Patterson Park avenue

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Michael A. Lind	32	Captain	7 years	505 S. Pats'n Pk. av.	Coach Painter.
Thomas Flaherty	33	Lieutenant	2 "	2103 Bank street	Pilot.
John Calder	47	Engineman	23 "	422 S. Pats'n Pk. av.	Machinist.
John Lindemann	46	Ass't Eng'n.	5 "	2036 Bank street	Machinist.
Patrick Berthistle	26	Hostler	9½ months.	1029 Granby street	Driver.
Joshua N. Miller	37	Pipeman	8 years	913 Curley street	Cigarmaker.
Benjamin V. Beyer	29	"	4 "	503 S. Pats'n Pk. av.	Laborer.
Albert N. Gier	39	"	15 "	126 S. Chapel street.	Painter.
George Shipley	36	"	4 "	515 S. Pats'n Pk. av.	Gilder.
Charles E. Dewitt	43	"	9 "	2010 Gough street	Carpenter.
John W. Barton	29	"	1 yr. 7 mos	239 S. Castle street	Moulder.

ENGINE COMPANY No. 12.

Located on the southeast corner of Riverside and Fort avenues.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
George W. Smith.....	36	Captain	3 yrs. 8 mo.	414 Wehage street...	Plumber.
Edward C. Klessel.....	41	Lieutenant..	12 years...	1442 Riverside avenue	Gilder.
Michael Lycett.....	47	Engineman.	21 " ...	1417 Battery avenue.	Machinist.
William Welch.....	30	Ass't Eng'n.	7 months..	20 E. Heath street..	Machinist.
Joseph W. Moon.....	43	Hostler	14 years...	1509 Battery avenue..	Hostler.
James Catterton.....	44	Pipeman....	7 " ...	1460 William street..	Painter.
Thomas Voyce.....	33	" ...	4 yrs. 9 mo.	1504 Riverside avenue	Boilermaker:
Peter McGonigle.....	33	" ...	4 years....	1271 Riverside avenue	Cotton Inspector.
Gerhardt Tabeling.....	30	" ...	1 yr. 7 mo.	500 Fort avenue.....	Harnessmaker.
Casper Kraft.....	33	" ...	1 year.....	1103 Riverside avenue	Shoemaker.
Edward Norton.....	29	" ...	9 months...	30 E. Heath street..	Hostler.

ENGINE COMPANY No. 13.

Located at the intersection of Fremont and Myrtle avenues.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John Hoffman	46	Captain	17 years	628 Pitcher street	Cannmaker.
Lawrence Pistel	43	Lieutenant	19 "	1544 Argyle avenue	Cigarmaker.
John H. Deal	51	Engineman	21 "	1519 Myrtle avenue	Machinist.
Edward G. Riley	36	Ass't Eng'n	1 yr. 4 mos	637 Mosher street	Machinist.
Thomas H. Wright	39	Hostler	9 years	1608 Mulberry street	Driver.
Philip Bowen	42	Pipeman	16 "	1122 Argyle avenue	Cigarmaker.
Wilbur Pearce	36	"	10 "	1109 Winchester st.	Moulder.
James Keyser	50	"	10 "	637 Pitcher street	China Packer.
Warren P. Stafford	27	"	1 yr. 11 dys	1623 Argyle avenue	Cigarmaker.
John W. Cook	32	"	9 months	637 Mosher street	Baker.
James Nolan	23	"	7 mo. 11 dys	115 Amity street	Collarmaker.

ENGINE COMPANY No. 14.

Located on Hollins street, near Monroe street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William H. Dunn.....	43	Captain ...	10 years...	1839 W. Baltimore st.	Hostler.
George A. Wright.....	37	Lieutenant .	3 " ...	1913 W. Lombard st..	Painter.
Thomas S. Atkinson....	43	Engineman .	12 " ...	1839 W. Lombard st..	Machinist.
Cornelius P. Kuhan	47	Ass't Eng'n.	1 year....	216 S. Calhoun st ...	Machinist.
Philip L. Brady.....	30	Hostler	7 years...	1825 Frederick ave...	Iron Moulder.
C. Allan Orem.....	43	Pipeman...	11 " ...	78 S. Stricker st....	Painter.
J. Oscar Healey.....	59	" ...	33 " ...	1710 W. Fayette st...	Carpenter.
Charles H. Baker.	41	" ...	14 " ...	1928 Hollins street...	Scalemaker.
George E. Hibline.....	43	" . .	1 yr. 5 mos.	310 S. Bruce street..	Painter.
Leonard Jessup.....	38	" ...	1 yr. 5 mos.	1916 W. Lombard st..	Plasterer.
Hugh P. Fox.....	32	" ...	1 yr. 5 mos.	1907 Frederick ave...	Laborer.

ENGINE COMPANY No. 15.

Lombard street, between Howard and Eutaw streets.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John Todd	29	Captain	3 years	38 S. Eutaw street	Laborer.
James T. Dunn	32	Lieutenant	4 "	633 W. German st	Iron Moulder.
George W. Haskell	48	Lieutenant	17 "	912 E. Lombard st	Carpenter.
John Conway	38	Engineman	11 "	1630 McHenry street	Machinist.
John J. Cahill	29	Ass't Eng'n.	1 year	909 McHenry street	Machinist.
George C. Lloyd	24	" "	9 months	733 McHenry street	Machinist.
Mark Hill	41	Hostler	4 years	516 W. Fayette st	Tinner.
Edward F. Kelly	35	Pipeman	4 "	38 S. Eutaw street	Street Paver.
George H. Rush	26	"	18 months	38 S. Eutaw street	Confectioner.
Charles L. Schulte	35	"	1 year	803 W. Lombard st	Butcher.
Louis Harrer	36	"	1 "	227 S. Caroline st	Pile Driver.
August J. Schenkelberg	25	"	1 "	242 N. Poppleton st	Cigarmaker.
Cooper Elliott	41	"	14 years	39 N. Eden street	Driver.
Andrew J. Connelly	38	"	7 months	411 N. Pine street	Driver.
Michael E. Lynch	33	"	7 "	712 S. Dallas street	Laborer.
George Gerhard	28	"	7 "	1706 Lansing avenue	Musical Ins. Mk'r.
Samuel E. McElwee	32	"	2 "	306 Exeter street	Can Capper.
James T. Braden	25	"	2 "	1511 Holbrook street	Driver.
Jacob W. Dohler	30	"	1 month	1013 Stiles street	Machinist.
August Lang	26	"	5 "	604 Scott street	Cigarmaker.

ENGINE COMPANY No. 16. FIRE-BOAT "CATARACT."

Location Commercial Wharf.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Richard A. Lindsay.....	50	Captain.....	22 years...	101 S. Chester street.	Paper Hanger.
John Prenger.....	41	Lieutenant..	3 yrs. 8 mo.	1411 Hull street.....	Machinist.
John H. Brown.....	46	Pilot	2 yrs. 6 mo.	1716 Fairmount ave..	Steamboat Pilot.
William C. Stallings....	45	Pilot.....	2 yrs. 1 mo.	1806 Gough street....	Steamboat Pilot.
Thomas H. Meushaw...	37	Engineman .	8 years.....	6 N. Ann street...	Machinist.
Herbert W. Peerce.....	27	Ass't Eng'n.	2 yrs. 6 mo.	23 S. Broadway	Machinist.
John H. Stutt.....	50	Ass't Eng'n.	2 yrs. 6 mo.	2212 Gough street....	Machinist.
James Hayden.....	45	Stoker.....	2 yrs. 6 mo.	35 W. West street..	Clerk.
James H. Hoey.....	46	"	2 yrs. 6 mo.	218 S. Castle street..	Stoker.
George Horley.....	37	"	2 yrs. 2 mo.	1427 Block street.....	Stoker.
George H. Little.....	51	Pipeman ...	8 years	261 S. Ann street....	Painter.
Joseph Zeidler.....	41	" ...	11 months.	2009 Gough street....	Marine Engineer.

ENGINE COMPANY No. 18.

Twenty-first street, between Maryland avenue and Oak street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Frederick Branan	44	Captain	14 years	345 Twenty-first st.	Harnessmaker.
Levin H. Burkhardt	26	Lieutenant	3 "	1252 Barclay street	Carpenter.
Thomas S. Brown	34	Engineman	7 "	2406 Maryland ave.	Machinist.
John I. Cranford	24	Ass't Eng'n.	9 months	119 Twenty-first st.	Machinist.
John W. Potts	36	Hostler	5 years	3 Cottage avenue	Engineer.
Robert H. Blatchley	23	Pipeman	9 months	Mt. Vernon av. & 25th st.	Coach Painter.
Charles E. Brown	25	"	2 "	2009 Oak street	Laborer.
John F. MacKenzie	46	"	4 years	1256 Barclay street	Car Driver.
Andrew J. McCormick	34	"	4 "	430 Turner place	Car Driver.
Henry A. Moeller	27	"	9 months	38 S. Eutaw street	Gripman.
William H. Quincy	38	"	9 "	2406 Maryland ave.	Stonecutter.
Samuel A. Seymour	33	"	8 years	436 Turner place	Canmaker.

HOOK AND LADDER COMPANY No. 1.

Located on Harrison street, near Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
E. Louis Shipley.....	33	Captain	2 yrs. 9 mo.	1407 Pennsylvania av.	Shoemaker.
August Emrich.....	31	Lieutenant..	10 years...	113 N. Exeter street.	Coal Dealer.
Thomas B. Strahan.....	49	Tillerman..	13 " ...	1209 Jackson street...	Currier.
Thomas Kerr.....	30	As't Tiller'n	4½ " ...	1006 Valley street.. .	Clerk.
John T. Mulligan.....	33	Hostler	10 " ...	1209 E. Lexington st..	Driver.
Martin Kirby.....	48	Ladderman.	12 " ...	227 N. Exeter street.	Trunkmaker.
Z. Taylor Seebreeze.....	45	"	3½ " ...	225 S. Caroline street	Driver.
Robert B. Edwards.....	31	"	3 " ...	30 Albemarle street	Stereotyper.
George F. Thompson...	41	"	1 yr. 8 mo.	303 N. Exeter street.	Straw Hatmaker.
Joseph H. Daly.....	41	"	13 years...	115 N. Exeter street.	Stonecutter.
Andrew J. Orr.....	23	"	5 months..	1429 Block street.....	Stoker.

HOOK AND LADDER COMPANY No. 2.

Located on Paca street, near Fayette street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Thomas Montgomery...	52	Captain	23 years...	119 N. Paca street...	Driver.
John W. Kelly	32	Lieutenant..	7 " ...	1107 Pennsylvania av.	Driver.
John W. Blake.....	57	Tillerman..	23 " ...	521 W. Lexington st.	Engineer.
Emil Heise.....	34	A'st Tiller'n	3 yrs. 9 mo.	210 N. Fremont st...	Furniture Packer.
Joseph Lavender.	46	Hostler	17 years...	771 Mulberry street.	Driver.
John F. Schafer.....	56	Ladderman .	5 yrs. 7 mo.	13 N. Fremont st...	China Packer.
Robert M. Brown.....	30	"	5½ years...	650 W. Fayette street	Stove Moulder.
Alonzo Travers.....	27	"	1 yr. 8 mo.	1602 W. Franklin st..	Pilot.
William H. Stapf.....	26	"	1 yr. 5 mo.	201 W. Saratoga st...	Driver.
Henry F. Eckles.....	25	"	1 yr. 27 dys.	208 Little Gough st..	Driver.
John Weinkamp.....	27	"	1 yr. 9 mo.	418 W. Lexington st.	Cigarmaker.

HOOK AND LADDER COMPANY No. 3.

Located on South Ann street, near Gough street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
George W. Foxwell	46	Captain	23 years	1911 Bank street.	Shipwright.
Peter Nelson	35	Lieutenant	4 "	14 S. Ann street.	Seaman.
John N. Downs	45	Tillerman	23 "	2121 Orlean street.	Painter.
John Koos	31	As't Tiller'n	6 "	123 N. Washington st.	Canmaker.
John Croucher	33	Hostler	6 "	1905 Bank street.	Hostler.
Joseph P. Kelly	50	Ladderman	11 "	904 Fawn street.	Hostler.
John McClellan	60	"	23 "	14 N. Ann street.	Sailmaker.
James F. Reilly	41	"	19 "	1626 E. Lombard st.	Painter.
Charles W. Johnson	28	"	1 yr. 9 mo.	1635 E. Baltimore st.	Hostler.
Robert Perry	24	"	1 yr. 6 mo.	235 S. Chester street.	Iron Moulder.
George B. King	23	"	1 yr. 10 mo.	312 N. Eden street.	Tinner.
Frederick Grauling	29	"	1 year.	1933 Canton avenue.	Laborer.

HOOK AND LADDER COMPANY No. 4.

Located on Biddle street, near Druid Hill avenue.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William White	48	Captain	25 years	819 George street	Carpenter.
John H. Morgan	43	Lieutenant	21 "	413 Fremont street	Paperhanger.
William A. Meushaw	41	Tillerman	7 "	622 W. Saratoga street	Mariner.
John F. Kelly	27	Ass't Till'n	1 yr. 9 mo.	738 W. Franklin st	Machinist.
James B. Kelley	35	Hostler	7 years	518 W. Biddle street.	Driver.
John Kurne	33	Ladderman	6 "	415 W. Hoffman street	Shoemaker.
John G. Gill	63	"	33 "	831 W. Fayette street	Painter.
Jacob A. Wisong	35	"	3 yrs. 9 mo.	922 Argyle avenue	Painter.
George E. Gill	35	"	2 years	215 W. Biddle street.	Painter.
Malcolm W. Jordan	24	"	1 yr. 5 mo.	1056 Penna avenue	Driver.
George Kennard	26	"	2 yrs. 4 mo.	1008 Mosher street	Clerk.
William H. Cannoles	28	"	6 months	1619 N. Carey street	Clerk.

HOOK AND LADDER COMPANY No. 5.

Located on Aisquith street, near Oliver.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William H. Hartman	35	Captain	11 years	1503 Aisquith street	Plumber.
Lawrence Blake	48	Lieutenant	22 "	813 N. Gay street	Painter.
William I. Johns	39	Tillerman	6 "	1514 Harford avenue	Bricklayer.
Howard E. Curry	44	Ass't Till'n	2 "	929 E. Preston street	Driver.
William Quinn	43	Hostler	7 "	1303 N. Eden street	Driver.
William Wiley	51	Ladderman	6 "	1308 Harford avenue	Cigarmaker.
William F. Beall	33	"	7 "	1407 Holbrook street	Canmaker.
John Sullivan	30	"	3 "	1410 N. Central ave	Painter.
Peter B. Mullen	34	"	3 "	1332 Hillman street	Painter.
John L. Emerson	25	"	2 "	1631 Oliver street	Painter.
Harry F. Bodge	35	"	1 yr. 6 mo.	1216 Holland avenue	Hardwood fin'r.
James J. McGraw	40	"	10 months.	1306 Aisquith street	Clerk.

HOOK AND LADDER No. 6.

Located on Hanover Street, Corner Ostend Street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Thomas D. O'Keefe	28	Captain	5 yrs. 6 mo.	1343 S. Charles street.	Driver.
Frederick G. Beck	38	Lieutenant	4 years.	1109 S. Sharp street.	Photographer.
James Gill	48	Tillerman	12 years.	8 E. West street.	Moulder.
Antone Kemp	44	Asst. "	5 yrs. 8 mo.	35 E. Ostend street.	Driver.
George D. Taylor	60	Hostler	24 years.	1502 Hanover street.	Hostler.
Daniel Vogelgesang	36	Ladderman.	4 years.	1425 Covington street.	Canmaker.
William Lalotte	27	"	2 yrs. 8 mo.	1309 Hanover street.	Canmaker.
Thomas H. Kelly	28	"	2 yrs. 7 mo.	1212 Hanover street.	Pipemaker.
Louis Matthaei	29	"	2 yrs. 2 mo.	1336 Hanover street.	Cooper.
Henry Toepfer	26	"	10 months.	1415 Hanover street.	Baker.
Charles F. Fay	36	"	10 months.	21 E. Ostend street.	Laborer.
William L. Dailey	27	"	6 months.	1745 S. Charles street.	Driver.

CHEMICAL ENGINE COMPANIES—ANNEX.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William M. Dunn.....	37	Ass't Eng'r..	16 years...	338 E. 25th street....	Plumber.

CHEMICAL ENGINE COMPANY No. 1.

Brunswick street, near Frederick road.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Edward W. Steinacker..	33	Captain ...	5 years...	5 Brunswick street.	Hostler.
John A. Epp.....	31	Hostler	9 months .	434 Frederick avenue.	Cabinetmaker.
Antone Yienger.....	28	Pipeman...	4 years....	114 Millington ave...	Candymaker.

CHEMICAL ENGINE COMPANY No. 2.

Mary street, near Retreat street.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
James H. Merrick.....	53	Captain....	5 years...	2546 Mary street.....	Car Driver.
James K. Merriken.....	32	Hostler	5 " ...	2623 Frances street...	Driver.
Christain Freyer.....	34	Pipeman....	7 months..	2013 Walbrook ave...	Blacksmith.

CHEMICAL COMPANY No. 3.

Located at No. 18 *Engine House, Twenty-first street, near Oak street.*

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Ralph S. Ferguson.....	37	Captain....	4yrs.10mo.	50 E. 26th street...	Car Driver.
James A. Clark.....	29	Hostler	2 yrs. 3 mo.	2416 Mt.Vernon ave..	Car Driver.
Michael J. Griffin.....	31	Pipeman....	10 months.	2135 Jefferson Place..	Hostler.

CHEMICAL ENGINE COMPANY No. 4.

Waverly.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
William H. Taylor.....	52	Captain.....	5 years. .	410 Waverly avenue..	Conveyancer.
Owen McGreevey.....	35	Hostler	5 " ...	409 Calvin avenue....	Driver.
Michael J. Farley.....	30	Pipeman....	4 " ...	12 Wilson street	Driver.
James Hart.....	38	" ...	4 " ...	122 Old York road...	Carpenter.

CHEMICAL ENGINE COMPANY No. 5.

Homestead.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Samuel R. Watkins.....	39	Captain	3 years...	5 Polk street	Sailmaker.
Robert P. McFarland...	27	Hostler	5 " ...	5 Polk street	Car Driver.
John W. Schaffer.....	27	Pipeman ...	11 months.	515 4th st., Woodberry	Moulder.

CHEMICAL ENGINE COMPANY No. 6.

Belair Avenue.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Frank Maher.....	38	Captain.....	5 years....	41 Belair avenue.....	Laborer.
Zachariah H. Foote....	29	Hostler	22 months.	39 Belair avenue.....	Moulder.
Elias G. Kipp.....	40	Pipeman....	4 years....	43 Belair avenue.....	Carpenter.

CHEMICAL ENGINE COMPANY No. 7.

Roland and Third Aves., Hampden.

Names.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
James J. Reynolds.....	35	Captain.....	4 years ...	607 Fourth avenue...	Car Driver.
James L. Clarken.....	35	Hostler	5 " ...	226 Hickory avenue..	Blacksmith.
John L. Thomas.	25	Pipeman....	1 yr. 6 mos	295 Chestnut avenue..	Blacksmith.

No. 7 TRUCK.

Waverly.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
Joseph J. Presley.....	26	Hostler	10 months.	420 Waverly avenue..	Car driver.

No. 8 TRUCK.

Brunswick street, near Frederick road.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
John L. Durham.....	30	Hostler	5 years....	109 Millington ave...	Plumber.

No. 9 TRUCK.

Roland and Third avenues, Hampden.

Name.	Age.	Position.	Time of Service.	Residence.	Former Occupation.
George U. McFadden...	25	Hostler	1 yr. 7 mos	3426 Elm avenue.....	Carpenter.

Fire Record.

RECORDS OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Co's.	Style of Buildings.	Remarks.
January.										
Sunday 1	315	.....	3.04	Madison street and Plover alley.	Madison st. Presbyterian Church	Church.	7	.....	Two-story brick.	Recall 4.15 p. m.; overheated furnace.
Sunday 1	412	.....	5.10	103 W. Baltimore st.	Martin Meyer.	Cigar factory.	.....	2	Four-story brick.	Recall 5.25 p. m.; electric light wire falling on roof.
Monday 2	425	10.53	.....	11. N. Poppleton st.	Edward Kelly.	Dwelling.	8	.....	Three-story brick.	Recall 11.03 a. m.; explosion of gasoline stove.
Monday 2	235	.....	1.30	2022 E. Monument street.	Hohmer & Sons.	Slaughter house	9	.....	Two-story brick.	Recall 2.05 p. m.; pan of grease boiling over.
Tuesday 3	257	.....	1.12	1300 Harford ave.	George Hall.	Stable.	.....	5	One-story frame.	Recall 1.27 p. m.; party smoking.
Tuesday 3	184	.....	2.18	Abbott's Wharf, Boston street.	G. E. Hoffman and others.	Baled cotton.	11, 16	3	.....	Recall 7.57 p. m.; rekindling of cotton from fire of December 13, 1892.
Tuesday 3	435	.....	2.42	237 Parkin street.	Unoccupied.	.....	8, 10	2	Four-story brick.	Recall 3.05 p. m.; rubbish in cellar set on fire by boys.
Tuesday 3	355	.....	8.02	827 Park avenue.	Thos. K. Carey.	Dwelling.	7, 13	4	Three-story brick.	Recall 10.25 p. m.; heat from open grate.
Tuesday 3	299	.....	8.25	122 W. 23d street, Annex.	F. H. Hoff.	Grocery store.	13 3, 4 Chem.	5	Two-story frame.	Recall 10.47 p. m.; unknown.

Tuesday	3	363	.....	9.07	613 N. Fremont st.	Sam'l Goldsmith.	Stable.	8	2	Two-story brick.	Recall 10.57 p. m.; unknown.
Thurs'y	5	75	12.30	.....	1517 Nicholson st.	Anton Bohn.	Saloon and dwelling.	12	6	Two-story brick.	Recall 4.30 a. m.; unknown.
.....	...	.....	.....	.....	1519 Nicholson st.	G. L. Richter.	Dwelling.	.....	.....	Three-story brick.	.....
Thurs'y	5	395	.....	6.55	516 Falls road, Annex.	August Hartman.	Shoe store and dwelling.	.....	9	Two-story frame.	Recall 7.14 p. m.; explosion of coal oil lamp.
Thurs'y	5	519	.....	8.00	Russell st., between Ostend & West sts.	August Pfiel.	Cooper shop.	.....	6	Two and one-half-story brick.	Recall 8.20 p. m.; sparks from hearth.
Friday	6	322	2.03	.....	643 N. Eutaw st.	Wm. Dunnett.	Plumbing shop and dwelling.	7	4	Three-story brick.	Recall 2.27 a. m.; fire dropping from open grate.
Friday	6	493	11.41	.....	Garrison lane and Calverton road, Annex.	City of Baltimore.	Branch of No. 9 Annex School	14	8	One-story brick.	Recall 12.40 p. m.; overheated stove pipe.
Satur'y	7	261	9.08	.....	1422 E. Chase st.	Henry Lang.	Dwelling.	.....	5	Three-story brick.	Recall 9.40 a. m.; overheated furnace pipe.
Satur'y	7	391	.....	6.30¼	131 Fulton ave. ext.	Dr. J. H. Eccleston.	Dwelling.	2 Chem.	.....	Three-story brick.	Recall 7.16 p. m.; burning chimney.
Satur'y	7	514	.....	9 45	434 W. Pratt street.	P. L. Keyser.	Tailor shop.	15	2	Three-story brick.	Recall 10.10 p. m.; overheated stove.
Tuesday	10	159	2.06	.....	717 S. Broadway.	R. Abrahams.	Clothing store.	.....	3	Three-story brick.	Recall 2.25 a. m.; unknown.
Tuesday	10	713	3.18	.....	1419 Cooksie st. 1421 Cooksie st. 1423 Cooksie st. 1425 Cooksie st.	John McDonald. M. Manning. Jacob Deyrski. Frank Lareke.	Dwellings.	12	6	Two-story brick.	Recall 6.09 a. m.; overheated stove.
Wedn'y	11	217	10.05	.....	Hillen Station, W. M. R. R. Depot.	Various parties.	Car load of baled cotton.	6	1	.....	Recall 11.25 a. m.; rekindling of cotton from fire of December 13, 1892.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Wedn'y 11	183	.....	4.08	....	....	....	....	.....	....	Recall 4.26 p. m.; false alarm.
Wedn'y 11	343	.....	6.09	1423 N. Charles st.	W. H. Fowler.	Restaurant and dwelling.	3 Chem.	5	Three-story brick	Recall 6.56 p. m.; explosion of gasoline stove.
Wedn'y 11	34	... ...	7 32	1009 Cathedral st.	A. H. Martin.	Dwelling.	.....	4	Three-story brick.	Recall 8.28 p. m.; heat from furnace.
Wedn'y 11	326	.....	11.51	1612 Pennsylvania avenue.	Wm. Werner.	Dwelling.	13	4	Three-story brick.	Recall 12.08½ a. m.—12th; unknown.
Thurs'y 12	315	6.14	.....	610 Cathedral st.	F. H. Nunn.	Annex to Mt. Vernon Hotel.	....	4	Four-story brick.	Recall 7.14 a. m.; coals dropping from open grate.
Thurs'y 12	464	.....	12.03	1301 Kuper Place.	Thos. L. Lafferty.	Saloon and dwelling.	14	2	Two-story brick.	Recall 1.26 p. m.; defective flue.
Thurs'y 12	453	.....	2.02	1414 W. Lanvale st.	Wm. Bailey.	Dwelling.	13	4	Three-story brick.	Recall 2.24 p. m.; thawing out water pipes.
Friday 13	518	12.35	.....	N. E. cor. Bayard and Warner sts.	Adam Pinder.	Dwelling.	10	6	Two-story brick.	Recall 1.21 a. m.; unknown.
Friday 13	214	.....	7.36	1006 E. Fayette st.	Charles Cohen.	Tailor shop and dwelling.	3, 4, 6	1	Three-story brick.	Recall 8.25 p. m.; overheated stove.
Friday 13	38	.....	9.12	729 Baker st.	Wm. A. Kent.	Grocery store & dwelling.	13	4	Three-story brick	Recall 10.20 p. m.; fire dropping through hearth.
Satur'y 14	366	2.51	.....	1719 Etting street.	Wm. De Coursey	Dwelling.	13	.....	Two-story brick.	Recall 3.14 a. m.; explosion of coal-oil

										lamp; Mrs. Wm. De Coursey burned to death.
Satur'y 14	453	6.55	.....	809 N. Calhoun st.	James T. Snyder.	Dwelling.	8, 13, 14	4	Three-story brick.	Recall 9.14 a. m.; explosion of gasoline stove.
Satur'y 14	328	8.20	.....	1407 Druid Hill ave.	Mrs. E. McCeney.	Dwelling.	....	2	Three-story brick.	Recall 9.03 a. m.; burning chimney.
Satur'y 14	151	.....	4.07	108 S. Bond st.	Philip Mansen.	Dwelling.	5	3	Two-story brick.	Recall 4.44 p. m.; overheated stove.
Satur'y 14	31	.....	5.18½	112 E. Franklin st.	J. L. Hoffman.	Dwelling.	4	.....	Three-story brick.	Recall 6 p. m.; burning chimney.
Satur'y 14	55	.....	10.35	329 Cider alley.	Mrs. Eva Williams.	Dwelling.	15 Chem.	2	Three-story brick.	Recall 10.35 p. m.; overheated stove.
Sunday 15	215	.....	8.05	Aisquith street, near Mullikin street.	German Orphan Asylum.	Wash house.	6	1	One-story brick.	Recall 8.35 p. m.; explosion of water back of range.
Monday 16	356	.....	3.44	1804 Bolton street.	A. S. Adler.	Dwellings.	13	4	Three-story brick.	Recall 4.34 p. m.; defective flue.
Monday 16	....	.....	.....	1806 Bolton street.	Frank Levering.					
Monday 16	417	.....	7.54½	523 and 525 West Pratt street.	Erlanger Bros.	Shirt factory.	....	.....	Five-story brick.	Recall 8.05 p. m.; light from workmen thawing pipe.
Monday 16	31	.....	10.23	339 Davis street.	Mrs. Charity Creek.	Dwelling.	4, 6	1	Two-story and attic brick.	Recall 12.08 a. m.—17th; overheated stove.
Tuesday 17	257	1.24	.....	1427 Aisquith street.	Wm. Wright.	Dwelling.	....	5	Three-story brick.	Recall 1.50 a. m.; fire dropping from grate.
Tuesday 17	218	.....	11.28	908 East Baltimore street.	B. Weinkrantz.	Jewelry store & dwelling.	....	1	Three-story brick.	Recall 11.56 p. m. unknown.
Wedn'y 18	24	9.08	.....	467 North Gay st.	Michael Glaser.	China & glassware store.	6	.....	Three-story brick.	Recall 9.37 a. m.; explosion of gas meter

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupation.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Wedn'y 18	237	.....	6.46½	523 North Wolfe st.	Edw. Biddleman.	Dwelling.	9	.....	Three-story brick.	Recall 7.05 p. m.; unknown.
Thurd'y 19	415	.....	1.05¾	335 West Baltimore street.	Friedenwald & Co.	Lithographic establishment.	15	.....	Six-story brick.	Recall 1.24 p. m.; overheated stove-pipe.
Thurd'y 19	299	.....	5.51	115 West 22d street, Annex.	Mrs. E. J. Zimmerman.	Dwelling.	3 Chem.	.....	Three-story brick.	Recall 6.12½ p. m.; lace curtain blown on gas jet.
Thurd'y 19	624	.....	6.44	Leadenhall and West streets.	American Phosphate Co.	Fertilizer factory.	1, 2, 4, 7, 8, 10, 12, 14, 15	2, 4, 6	Three-story brick, two-story frame.	Recall 2.13 a. m.—20th; unknown.
2d alarm.	....	.....	6.51							
3d alarm.	....	.....	6.55							
Friday 20	314	1.29	.....	412 State street.	Annie Ward.	Dwelling.	1, 7	4	Two-story and attic brick.	Recall 3.28 a. m.; explosion from some unknown cause.
Friday 20	561	4.29	.....	Leadenhall and West streets.	American Phosphate Co.	Fertilizer factory.	2	.....	Three-story brick, two-story frame.	Recall 4.59 a. m.; rekindling of sulphur from previous fire.
Friday 20	345	7.32	.....	1715 North Charles street.	Mrs. A. D. Caldwell.	Dwelling.	3, 5 Chem.	5	Three story brick.	Recall 8.42 a. m.; explosion of coal-oil stove.
Satur'y 21	291	9.27	.....	Huntingdon av. and York rd., Annex.	Albert A. Bokel.	Grocery store & dwelling.	4 Chem.	.....	Three-story brick.	Recall 9.44 a. m.; explosion of gasoline stove.
Sunday 22	23	.....	7.07	1404 May street.	Chas. Davenport.	Dwelling.	3	.....	Three-story brick.	Recall 7.28 p. m.; lighted paper dropped on bed.

Sunday	22	418	.....	9.12	210 Park avenue.	Franz Brizzi.	Cigar store & dwelling.	15 Chem.	2	Three-story brick.	Recall 9.40 p. m.; unknown.
Tuesday 2d alarm.	24	345	.....	6.18½ 6.33	2024 St. Paul street.	Owen Rice.	Dwelling.	2 Chem. 3, 4	5	Three-story brick.	Recall 8.39 p. m.; explosion of gasoline stove; Mrs. Margaret Rice and two children, aged 4 and 7 years, burned to death.
Wedn'y 2d alarm.	25	291	12.02 12.14	.....	Jenkins lane, Annex	F. Walpert & Co.	Husk factory.	3, 4, 5, 6 Chem. 6, 7	5	One-story brick.	Recall 4.34 a. m.; unknown.
Wedn'y	25	42	2.43	.....	502 W. Fayette st.	Dr. Hoffman and others.	Dwelling.	1, 15 15 Chem.	2	Three-story and attic brick.	Recall 4.41 a. m.; upsetting of coal-oil lamp; Anna Hadjek, servant, burned to death.
Wedn'y	25	451	.....	6.01	618 N. Carrollton avenue.	J. F. Wilhelm.	Dwelling.	8	.....	Three-story brick.	Recall 6.15 p. m.; sparks from stove.
Thurs'y	26	143	3.39	.....	1105 E. Pratt street.	Harris Cohen.	Bakery and dwelling.	3	1	Three-story brick.	Recall 4.49 a. m.; sparks from chimney.
Thurs'y	26	49	6.45	.....	2104 W. Fayette st.	George Schaeffer.	Dwelling.	14	.....	Two-story brick.	Recall 7.09 a. m.; rags falling on stove.
Thurs'y	26	24	.....	3.03½	521 Rogers avenue.	Caroline Cottman.	Dwelling.	6	1	Two-story brick.	Recall 4.09 p. m.; sparks from chimney.
Friday	27	497	1.53	.....	North avenue, near W. M. R. R., Annex	George W. Ward.	Dwelling.	13 2 Chem.	8	Two-story frame.	Recall 5.53 a. m.; unknown.
Friday	27	234	.....	3.32½	424 N. Register st.	John Merrill.	Dwelling.	9	3	Two-story brick.	Recall 2.51 p. m., children playing with matches.
Satur'y	28	254	11.58	.....	Jenkins lane, near North avenue.	Christian Spuck.	Smoke house and stable.	3 Chem.	5	Two-story brick. One-story frame.	Recall 12.48 p. m.;

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupation.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
										sparks falling on roof.
Satur'y 28	153	.....	12.47	1440 Eastern ave.	Hyman Blumenberg.	Gents furnishing store and dwelling.	5	.....	Two-story brick.	Recall 1.12 p. m.; unknown.
Monday 30	385	.....	9.50	1800 Park avenue.	Robert M. Lockwood.	Dwelling.	2 Chem.	4	Three-story brick.	Recall 10.35 p. m.; heat from open grate
Tuesday 31	346	.....	6.17½	711 N. Howard st.	J. A. Williar.	Furniture store and dwelling.	7	4	Three-story brick.	Recall 6.50 p. m.; unknown.
February.										
Wedn'y 1	146	9.00	.....	909 East Pratt st.	Kenwood Novetly Co.	Toy and game factory.	2, 3, 4, 5. 6, 9, 11,15	1. 2, 3, 5	Four-story brick.	Recall 12.15 p.m.; unknown.
2d alarm.		9.05								
Wedn'y 1	314	.....	8.02	423 North Howard street.	J. B. Perkins & Co.	Drug store.	7	4	Two-story and attic brick.	Recall 8.15 p.m.; dropping of coal-oil lamp.
Friday 3	425	10.45	.....	909 Booth street.	R. Zadrock.	Dwelling.	8	2	Three-story brick.	Recall 12.26 a. m.; sparks from chimney.
Friday 3	31	11.00	.....	N. W. corner Calvert and Saratoga streets.	College of Physicians and Surgeons.	Medical college and hospital.	4	.....	Three-story brick.	Recall 11.13 a.m.; explosion from unknown cause.
Friday 3	255	.....	4.48	1827 Aisquith st.	Ira Zimmerman.	Grocery store and dwelling.	.....	5	Two-story brick.	Recall 5.04 p. m.; explosion of gasoline stove.
Friday 3	48	.....	10.40	.....	.....	.....	.....	.....	.....	Recall 10.57 p. m.: false alarm.

Friday	3	14	.....	11.05	11 South Exeter st.	Nathan Brausky.	Dwelling.	3	1	Four-story brick.	Recall 11.51 p. m., overheated stove.
Satur'y	4	612	.....	3.49½	Hughes street, near Covington street.	Baker Bros.	Glass factory.	2	6	Two-story brick.	Recall 4.14 p. m.; sparks from chimney.
Satur'y	4	436	.....	3.56½	419 West Lombard street.	Bernard Bros.	Printing office.	1	2	Two-story brick.	Recall 4.16 p. m.; boy pouring benzine on stove.
Sunday	5	7	2.52	.....	605 Morris street.	Wm. H. Bolander	Hot-house.	12	.....	One-story frame.	Recall 3.14 a. m.; overheated flue.
Tuesday	7	216	.....	12.35	1241 Jefferson st.	Louisa Pulley.	Dwelling.	3, 6	1	Two-story frame.	Recall 1.40 p. m.; overheated stove-pipe.
			.....		1243 Jefferson st,	Julia Hayden.	Dwelling.	.....	.....	Two-story frame.	
Tuesday	7	255	.....	12.59	Aiken street and Lafayette avenue.	C. M. Stieff & Co.	Stable.	.....	5	Two-story brick.	Recall 1.22 p. m.; spontaneous combustion.
Tuesday	7	31	.....	1.09	205 Bath street.	Z. Harris.	Dwelling.	4	.....	Two-story and attic brick.	Recall 1.56 p. m.; burning chimney.
Tuesday	7	516	.....	9.20	.....	.....	.....	.....	.....	.....	Recall 9.30 p. m.; false alarm.
Thurs'y	9	212	5.24	.....	127½ Harrison st.	C. Kahn and others.	Tenement-house.	.....	1	Four-story brick.	Recall 6.11 a. m.; overheated stove.
Thurs'y	9	394	9.00	.....	271 Falls road, Annex.	Samuel E. Steffeg.	Dwelling.	.....	9	Two-story frame.	Recall 9.35 a. m.; burning chimney.
Friday	10	265	11.23	.....	1439 North Bond st.	Annie M. Kelley.	Dwelling.	9	.....	Three-story brick.	Recall 11.29 a. m.; pan of grease taking fire.
Satur'y	11	184	1.56	.....	Abbott's wharf, foot Cannon street.	S. B. Marts & Co.	Tugboat "S. B. Marts."	11, 16	3	Tugboat.	Recall 3.52 a. m., overheated boiler.
Satur'y	11	255	7.37	.....	234 South Spring st.	Morris Flocks.	Dwelling.	.....	3	Two-story and attic brick.	Recall 7.54 A. M.; explosion of gasoline stove.
Satur'y	11	235	. .....	9.27	813 N. Castle street.	Antone Valentine	Slaughter houses.	9	3	Two-story brick, two-story frame.	Recall 10.53 p. m.; unknown.

RECORDS OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupation.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday 12	714	12.25	.....	Fort avenue, near Boyle street.	John Allers & Sons.	Lime sheds.	2, 10, 12, 16	6	One-story frame.	Recall 3.02 a. m.; slaking lime.
Tuesday 14	522	.....	8.40	Pier 11 Light street Wharf.	Choptank Steamboat Company.	Steamboat Cambridge.	2	.....	Steamboat.	Recall 8.50 p. m.; explosion of coal oil lamp.
Wedn'y 15	266	.....	6.04½	624 N. Central ave.	Mrs. F. Fohner.	Dwelling.	9	.....	Three-story brick.	Recall 6.27 p. m.; burning chimney.
Friday 17	18	.....	12.58	2839 O'Donnell st.	Martens Seawiki.	Grocery store and dwelling.	11	.....	Three-story brick.	Recall 1.27 p. m.; defective flue.
Friday 17	346	.....	3.08	714 Park avenue.	O. Hardcastle.	Dwelling.	7	.....	Three-story brick.	Recall 3.20 p. m.; oil upset on stove.
Sunday 19	64	.....	8.32	1603 Light street.	Sprigg Harwood.	Toy store and dwelling.	12	6	Three-story brick.	Recall 8.50 p. m.; unknown.
Monday 20	128	8.46	.....	609 Water street.	Clara Barney.	Dwelling.	3	1	Three-story brick.	Recall 9.19 a. m.; sparks from chimney.
Monday 20	215	9.44	.....	129 N. Central ave.	Minnie Siebert.	Dwelling.	6	.....	Three-story brick.	Recall 10.12 a. m.; defective flue.
Monday 20	128	.....	7.17	23 and 25 S. Frederick street.	E. P. Suter.	Type foundry.	3, 4, 6, 15	1, 3	Four-story brick.	Recall 8.50 p. m.; unknown.
Tuesday 21	326	.....	9.23	Pennsylvania ave., opp. Wilson st.	Balto. & Potomac R. R. Co.	Depot.	13	.....	Two-story brick.	Recall 9.45 p. m.; electric light wire.
Tuesday 21	482	.....	9.40	526 Smallwood st., Annex.	August and Herman Fenerheid.	Bakery and dwelling.	10. 14 1 Chem.	2, 8	Two-story brick.	Recall 10.53 p. m.; overheated oven.
Wedn'y 22	428	.....	11.12	229 N. Schroeder st.	F. Reuker.	Dwelling.	8	.....	Three-story brick.	Recall 11.25 p. m.; burning chimney.

Thurs'y	23	545	1.03	.....	1223 Scott street.	Wm. Smith.	Stable.	10	6	Two-story frame.	Recall 2.17 a. m.; unknown.
Thurs'y	23	527	6.37	.....	Howard street, near Camden street.	Ryan & McDonald.	Oil storage shed	15 Chem.	.....	One-story frame.	Recall 7.03 a. m.; explosion of oil.
Thurs'y	23	249	.....	9.28	557 and 559 E. Monument street.	A. Storck & Sons.	Saw and planing mill.	6	1	Two-story brick.	Recall 10.07 p. m.; heat from boiler.
Thurs'y	23	12	.....	10.27	103 N. Gay street.	P. E. Brennan.	Clothing store.	6	1	Two-story brick.	Recall 10.40 p. m.; unknown.
Sunday	26	531	7.55	.....	823 S. Paca street.	Chas. Brown.	Dwelling.	10 15 Chem.	6	Two-story brick.	Recall 8.35 a. m.; explosion of gasoline stove.
Sunday	26	163	.... .	4.16	1935 E. Baltimore st.	Geo. L. Richter.	Stable.	5, 11	3	One-story frame.	Recall 5.13 p. m.; unknown.
Monday Automatic.	27	889	.....	5.04	714 Water street.	Kirwan & Tyler.	Can factory.	....	.....	Five-story brick.	Recall 5.20 p. m.; oil in gutter set on fire by boys.
Tuesday	28	13	8.25	.....	301 and 303 E. Falls avenue.	Baltimore Waste Company.	Waste factory.	3	1	Three-story brick.	Recall 9.35½ a. m.; spontaneous combustion.
Tuesday	28	515	8.44	.....	108 S. Howard st.	S. E. Reinhard & Gallilean Fishermen.	Liquor store & meeting rooms	1, 15 Res.	4	Four-story brick.	Recall 9.27½ a. m.; unknown.
Tuesday	28	368	.....	12.31	712 W. Mulberry st.	Wm. Kalbfleisch.	Dwelling.	8, 13, 14	4	Three-story brick.	Recall 2.25 p. m.; unknown.
Tuesday	28	171	.....	6 49¾	533 S. Chester st.	Louisa Smith.	Dwelling.	11	.....	Two-story brick.	Recall 7.01 p. m.; unknown.
March. Wedn'y	1	23	9.34	.....	1305 Orleans street.	Michael Goldstein.	Tailor shop and dwelling.	6	3	Three-story brick.	Recall 10.19 a. m.; explosion of gasoline stove.
Wedn'y	1	31	..... .	907	414 N. Calvert st.	Douglas Quenzel.	Dwelling.	4	1	Four-story brick.	Recall 9.30 p. m.; explosion of coal-oil lamp.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupation.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Wedn'y 1	151	.....	11.51	1520 E. Baltimore st	Solomon Adler.	Clothing store and dwelling.	3, 5	3	Three-story brick.	Recall 12.21 a. m.—2d; unknown.
Thurs'y 2	165	12.06	.....	116 Jackson Place.	P. Frankel.	Dwelling.	9	3	Three-story brick.	Recall 1.05 a. m.; overheated furnace pipe.
Thurs'y 2	51	4.07	.....	116 E. Pratt street.	Myer Greenbaum.	Liquor store.	4	.....	Four-story brick.	Recall 4.32 a. m.; overheated stove pipe.
Thurs'y 2	371	9.53	.....	1414 Mosher street.	John Daily.	Dwelling.	13	.....	Two-story brick.	Recall 10.13 a. m.; unknown.
Friday 3	247	8.58	.....	616 Aisquith street.	B. Altman.	Dwelling.	.....	.....	Two-story and attic brick.	Recall 9.03 a. m.; smoke from disjointed stove pipe.
Satur'y 4	259	.....	3.47	823 E. Chase street.	Amelia A. Beatty.	Dwelling.	.....	5	Three-story brick.	Recall 4.04 p. m.; overheated stove.
Satur'y 4	321	.....	6.19½	525 W. Franklin st.	James J. Lamkin.	Flavoring extract factory.	7	.....	Three-story brick.	Recall 6.27½ p. m.; unknown.
Satur'y 4	623	.....	8.44	818 S. Charles st.	Conard Ernst.	Wallpaper store and dwelling.	.....	6	Three story brick.	Recall 9.05 p. m.; defective flue.
Monday 6	162	12.24	.....	927 Fell street.	Dominick Brosinski.	Dwelling.	.....	3	Three-story brick.	Recall 12.38 a. m.; overheated stove pipe.
Monday 6	428	4.37	.....	1023 & 1025 Wagon alley.	John F. Thomas.	Stable.	8	4	Two-story brick.	Recall 5.44 a. m.; unkuown.
Monday 6	391	.....	3.39	Druid Hill Park, Annex.	George W. Irvin.	Mansion House	13	.....	Two-story stone and frame.	Recall 4.34 p. m.; burning chimney.
Monday 6	155	.....	4.41¾	302 S. Spring street.	Henry Cook.	Dwelling.	.....	3	Three-story brick.	Recall 4.58 p. m.; unknown.

Monday	6	412	.....	8.00	12 Hanover street.	Weissager & Co.	Clothing factory.	1, 4, 15	1, 2	Four-story brick.	Recall 8.50 p. m.; unknown.
Monday	6	363	.....	10.57	532 Caroline alley.	James A. Pollard.	Dwelling.	8, 13	4	Three-story brick.	Recall 11.45 p. m.; unknown.
Tuesday	7	451	.....	6.42½	604 N. Carey street.	M. J. Krager.	Notion store and dwelling.	8	.....	Three-story brick.	Recall 6.54 p. m.; gas-jet igniting goods.
Wedn'y	8	12	.....	3.24½	518 E. Baltimore st.	Adler & Goldheim.	Gents furnishing store.	3, 4, 6 15 Chem.	1, 2	Four-story brick.	Recall 4.33 p. m.; unknown.
Thurs'y	9	12	.....	2.06½	33 Post Office ave.	John H. Williams & Co.	Lithographic establishment.	....	1	Four-story brick.	Recall 2.19 p. m.; unknown.
Friday	10	342	.....	5.48	16 W. Preston st.	M. W. Brooks.	Dwelling.	....	.....	Three-story brick.	Recall 5.59 p. m.; burning of waste-paper in fireplace.
Satur'y	11	412	.....	3.46	101 W. Baltimore st.	Pneumatic Fire Alarm Telegraph Co.	Office.	....	.....	Five-story brick.	Recall 3.59 p. m.; fire built to test tubes.
Satur'y	11	162	.....	8.50	804 S. Ann st.	John Seitz.	Bakery and dwelling.	5	.....	Three-story brick.	Recall 9.10 p. m.; overheated stove.
Satur'y	11	275	.....	9.25	1624 N. Wolfe st.	Chas. W. Hayne.	Dwelling.	9	5	Two-story brick.	Recall 10.05 p. m.; defective flue.
Sunday	12	419	12.10	.....	320 N. Howard st.	Peter Steiges.	Trunk factory and dwelling.	1, 7,15 15 Chem.	2	Three-story brick.	Recall 1.26 a. m.; unknown.
Sunday	12	422	.....	5.21	5 N. Howard street.	John A. Medairy.	Book store.	....	.....	Four-story brick.	Recall 5.30 p. m.; smoke from furnace.
Monday	13	128	8.24	.....	58 Centre Market Space.	M. Machelsing.	Liquor store and dwelling.	3	.....	Three-story brick.	Recall 8.35 a. m.; defective flue.
Tuesday	14	68	5.32	.....	Marshall, Winder, Wells and Byrd streets.	Matthai Ingram & Company.	Tinware factory.	2, 4, 7, 8, 10, 12, 15	2, 4, 6	Three-story brick. Two-story brick. One-story brick.	Recall 3.41 p. m.; kettle of tallow boiling over.
2d alarm.			5.37								
3d alarm.			6.13								
Tuesday	14	217	.....	5.40	604 Buren street.	Patrick Carrigan.	Dwelling.	....	.....	Two-story brick.	Recall 5.48 p. m.; smoke issuing from windows.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

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Thurs'y 16	439	7.47	.....	1103 W. Lombard street.	James Duckett.	Dwelling.	14	.....	Three-story brick.	Recall 8.29 a. m.; defective flue.
Thurs'y 16	438	.....	12.31	206 Parkin street.	Sarah Schooler.	Tenement house.	10	2	Four-story brick.	Recall 12.50 p. m.; leaking gas igniting from candle.
Thurs'y 16	184	.....	6.20	2601 Boston street.	Freeman & Shaw.	Packing house.	11	... .	Two-story brick.	Recall 6.41 p. m.; unknown.
Thurs'y 16	156	.....	6.56	1635 and 1637 Thames street.	A. Konetzskr.	Dwelling.	....	3	Two-story brick.	Recall 7.17½ p. m.; burning chimney.
Tuesday 21	412	1 21	.... .	11 W. German st.	Carr, Owens & Heineman.	Wholesale drug store.	1, 2, 4, 7, 15 15 Chem.	1, 2	Four-story brick.	Recall 3.03 a. m.; unknown.
Wedn'y 22	259	.....	6.17	1128 Getz avenue.	Lena Funk.	Dwelling.	....	.....	Three-story brick.	Recall 6.27 p. m.; smoking stove.
Wedn'y 22	75	.....	9.32	Foot Decatur street, Locust Point.	....	Schooner "Viking."	....	6	Four-masted schooner.	Recall 10.18 p. m.; unknown.
Thurs'y 23	318	.....	10.18	9 W. Saratoga st.	Drs. M. A. & B. H. Hopkinson.	Shoe store and dwelling.	1, 4, 7	2	Three-story brick.	Recall 10.51 p. m.; defective flue.
Friday 24	427	3.24	.....	....	....	....	....	.....	....	Recall 3.36 a. m.; false alarm.
Friday 24	423	.....	6.37½	655 W. Baltimore st.	Obendorf & Co.	Hat store.	1, 8, 10, 15 15 Chem.	2	Three-story brick.	Recall 7.59 p. m.; lighted match dropped in rubbish.
Sunday 26	525	.....	8.10	117 Hanover street.	Mrs. Mary Bowers	Dwelling.	15	.....	Three-story brick.	Recall 8.22 p. m.; explosion of coal-oil lamp.
Monday 27	45	.....	8.07	239 Carlton street.	Wm. Jahrendt.	Stable.	8	.....	Two-story frame.	Recall 8.26 p. m.; unknown.

Tuesday	28	545	.....	1.19½	1201 Scott street.	John R. Williams.	Dwelling.	10	6	Three-story brick.	Recall 1.49 p. m.; defective flue.
Wedn'y	29	365	4.21	.....	Biddle street and Argyle avenue.	St. Barnabas P. E. Church.	Church.	1, 7, 8, 10, 13, 15	2, 4	One-story brick.	Recall 11.27 a. m.; overheated furnace.
2d alarm.			4.27	.....							
Wedn'y	29	218	7.54	.....	813 and 815 East Baltimore street.	Ah Jim. Mrs. B. Goldman.	Chinese laund'y and dwelling.	3, 4	1	Three-story brick.	Recall 9.55 a. m.; overheated stove.
Wedn'y	29	491	8.47	.....	202 Calverton road, Annex.	John Fishbach.	Blacksmith shop.	1 Chem.	.....	One-story frame.	Recall 9.55 a. m.; sparks from fire.
Wedn'y	29	232	.....	4.52	1430 E. Fayette st.	John Toal.	Dwelling.	3, 6, 9	1	Three-story brick.	Recall 4.52 p. m.; defective flue.
Wedn'y	29	441	.....	6.28½	211 N. Charles st.	P. J. Mackin & Co.	Book store.	4 15 Chem.	1, 2	Four-story brick.	Recall 7.34 p. m.; unknown.
Wedn'y	29	285	.....	7.51½	301 Harford road.	Ellen O'Neill.	Stable.	18 4, 5, 6 Ch.	5	Two-story frame.	Recall 9.20 p. m.; unknown.
Thur'y	30	318	8.19	.....	17 W. Lexington st.	Nathan Gutman.	Drygoods store.	1, 4, 7, 15	1, 2	Four-story brick.	Recall 11.26 a. m.; explosion of chemicals.
2d alarm.			8.29	.....		Wm. Ashman.	Photograph gallery.	15 Chem.	4		
Thur'y	30	158	9.10	.....	1604 Thames st.	Mrs. Garline.	Dwelling.	11	.....	Three-story brick.	Recall 9.25 a. m.; unknown.
Thur'y	30	155	.....	12.18	1431 Gough st.	Morris Cohen.	Dwelling.	3, 5	3	Three-story brick.	Recall 12.40 p. m.; unknown.
April.											
Satur'y	1	624	12.40	.....	Foot Howard street.	McCullough Wood & Coal Co.	Woodyard.	2, 10, 12	6	Cord wood on wharf.	Recall 3.33 a. m.; incendiary.
Satur'y	1	184	.....	5.40	Abbott's Iron Wharf. foot Burke street.	Various parties.	Loose cotton on wharf.	11	.....	Cotton on wharf.	Recall 5.57 p. m.; rekindling of cotton from fire of December 13, 1892.
Satur'y	1	21	.....	6.50½	201 and 203 N. Gay street.	Louis Amolsky and Morris Rosenberg.	Saloon and dwelling.	4	.....	Three-story brick.	Recall 7.00 p. m.; burning chimney.
Satur'y	1	172	.....	11.14	14 S. Patterson Park avenue.	Mrs. Annie M. Willey.	Saloon and dwelling.	11	.....	Three-story brick	Recall 11.40 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.		Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday	2	168	.....	1.40½	1915 Aliceanna st.	James Stanton.	Dwelling.	5, 11	3	Two-story and attic brick.	Recall 2.12 p. m.; sparks from chimney.
Sunday	2	281	.....	10.20	31 Belair road. Annex.	Henry Danz.	Dwelling.	9, 18	5	Two-story frame.	Recall 12.39 a. m.—3d; unknown.
Monday	3	543	11.10	.....	1203 Durst alley.	Lewis Loehman.	Dwelling.	.....	6	Two-story brick.	Recall 11.39 a. m.; explosion of gasoline stove.
Tuesday	4	423	.....	5.52½	703 and 705 W. Baltimore street.	Charles Bert.	Hat store and dwelling.	1	2	Three-story brick.	Recall 6.05 p. m.; burning of rubbish in yard.
Wedn'y	5	612	12.53	... .	816 William street.	Mrs. Elizabeth Brannan.	Dwelling.	2	6	Three-story brick.	Recall 1.27 a. m.; unknown.
Wedn'y	5	272	3.02	.....	1004 N. Wolfe st.	Wm. E. Tunis.	Dwelling.	9	5	Three-story brick.	Recall 4.31 a. m.; defective flue.
Wedn'y	5	12	.....	11.22	419 E. Baltimore st.	New England Pants Co.	Clothing store.	4	.....	Three story brick.	Recall 11.35½ p. m.; electric light wire.
Thurs'y	6	476	10.05	.....	2651 Calverton road.	Wm. M. Bandel.	Dwelling.	13, 14 2 Chem.	8	Two-story and attic brick.	Recall 12.45 p. m.; sparks from pipe falling on bed.
Thurs'y	6	23	.....	3.12	1403 E. Lexington street.	Frank Conrad.	Dwelling.	6, 9	3	Three-story frame.	Recall 4.11 p. m.; explosion of gasoline stove.
Friday	7	236	7.36	.....	114 Bradford street.	E. Kosleck.	Dwelling.	.....	5	Two-story brick.	Recall 7.55 a. m.; children playing with matches.

Sunday	9	345	12.25	.....	Falls road near 21st, street, Annex.	Baltimore & Lehigh R. R. Co.	Freight shed and telegraph office.	7, 8, 13 3, 4 Chem.	5	One and two-story frame.	Recall 4.17 a. m.; unknown.
Monday	10	349	.....	1.08½	2508 St. Paul street, Annex.	Edward Bennett.	Stable.	18	.. ..	Two-story frame.	Recall 1.24 p. m.; slacking of lime.
Wedn'y	12	141	10.18	.....	508 President street.	Antoni Cirelli.	Tenement.	.....	3	Three-story brick.	Recall 10.31 a. m.; children playing with matches.
Wedn'y	12	6	.....	6.55½	117 Mercer street.	Charles W. Lord & Co.	Woodenware storehouse.	....	.....	Four-story brick.	Recall 7.06 p. m.; smoke from windows.
Friday	14	418	10.48	.....	317 W. Lexington street.	C. L. Fiske.	Sewing machine store.	1, 2, 4, 7, 8, 10, 15 15 Chem.	1, 2, 4, 6	Three-story brick.	Recall 1.22 p. m.; unknown.
2d alarm.			10.54								
Friday	14	28	.....	10.04	....	....	....	....	.....	....	Recall 10.26 p. m.; false alarm.
Satur'y	15	343	.....	3.14	Maryland ave., nr. Oliver street.	Philip Walsh & Sons.	Saw and planing mill.	....	.....	Two-story brick.	Recall 3.28 p. m.; explosion of tinner's fire-pot.
Satur'y	15	419	.....	7.40	....	....	....	....	.....	....	Recall 7.49 p. m.; false alarm.
Satur'y	15	217	.....	9.18	532 N. High st.	Simon Kurtz.	Dwelling.	4, 6,	1	Two-story and attic brick.	Recall 10.25 p. m.; explosion of coal-oil lamp.
Sunday	16	75	2.28	.....	1100 Towson st.	Lewis Ehrman.	Stable.	12	6	One-story frame.	Recall 3.47 a. m.; unknown.
Sunday	16	393	.....	2.16½	203 Chestnut ave., Annex.	Samuel A. France	Dwelling.	7 Chem.	.....	Two-story brick.	Recall 2.42 p. m.; burning chimney.
Tuesday	18	221	.....	12.35	309 E. Saratoga st.	Maryland Meter Works.	Gas meter factory.	....	.....	Five-story brick.	Recall 12.50 p. m.; can of rosin upset on stove.
Tuesday	18	246	.....	2.32½	1102 E. Eager st.	John H. Kelly.	Dwelling.	9	5	Three-story brick.	Recall 3.02 p. m.; defective flue.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Tuesday 18	434	.....	6.56½	110 S. Carey st.	Geo. H. Patten.	Dwelling.	.....	.....	Two-story brick.	Recall 7.07 p. m.; explosion of coal-oil lamp.
Wedn'y 19	12	7.05	.....	401 E. Baltimore st.	Lambert Bros.	Printing office.	4	1	Four-story brick.	Recall 7.41 a. m., unknown.
Friday 21	356	.....	10.11	Laurens street and Park ave.	City of Baltimore.	Shed over sewer shaft.	13, 18 3 Chem.	4	One-story frame.	Recall 11.23 p. m., light setting fire to woodwork.
Satur'y 22	234	.....	7.36	406 N. Ann st.	George W. Reynolds.	Dwelling.	9	.....	Two-story brick.	Recall 7.36 p. m.; dropping of lighted match.
Satur'y 22	322	.....	9.23	628 N. Eutaw st.	J. B. Oldershaw.	Stove store and dwelling.	.....	4	Four-story brick.	Recall 9.35 p. m.; explosion of gas.
Satur'y 22	183	.....	9.50	2722 Dillon st.	August Dotterweich.	Stable.	.....	3	Two-story brick.	Recall 10.31½ p. m.; upsetting of coal-oil lamp.
Satur'y 22	332	.....	11.20	335 Moore st.	Geo. Hoffman.	Stable.	1, 7	4	Two-story brick.	Recall 12.21 a. m.—23d; unknown.
Satur'y 22	364	.....	11.24	.....	.....	.....	.....	.....	.....	Recall 11.46 p. m.; box pulled for preceding fire.
Satur'y 22	349	.....	10.00	Falls road, nr. Cedar ave., Annex.	Thos. Curley.	Boiler house & tool shed.	3 Chem.	.....	One-story frame.	Recall 1.59 a. m.—23d; incendiary.
Sunday 23	392	1.05	.....	Annex.	.....	.....	.....	.....	.....	Recall 1.15 a. m.; box pulled for preceding fire.

Sunday	23	314	.....	9.58	211 W. Franklin st.	Dr. John H. Scharf.	Office and dwelling.	1, 7, 15 15 Chem.	2, 4	Three-story brick.	Recall 11.34 p. m.; unknown.
Monday	24	15	12.12	.....	301 S. Bond st.	Lewis Frank.	Dwelling.	.....	3	Three-story brick.	Recall 12.56 a. m.; unknown.
Monday	24	248	8.32	.....	401 Foundry st.	Samuel Miller.	Cook shop.	4, 6	1	One-story frame.	Recall 8.52 a. m.; defective flue.
Monday	24	181	8.34	.....	3126 O'Donnell st.	Louis Hoffman.	Dwelling.	.....	.....	Two-story brick.	Recall 8.54 p. m.; explosion of gasoline stove.
Monday	24	262	10.07	.....	1115 N. Gay st.	John L. Wharton.	Dwelling.	.....	.....	Three-story brick.	Recall 10.19 a. m.; children playing with matches.
Monday	24	182	10.22	.....	2242 Essex st.	Henry Armiger.	Tenement.	.....	.....	Three-story brick.	Recall 10.45 a. m.; explosion of gasoline stove.
Monday	24	146	11.33	.....	222 S. High st.	Louis Hoffman.	Dwelling.	.....	.....	Three-story brick.	Recall 11.46 a. m.; explosion of gasoline stove.
Tuesday	25	52	.....	5.23	133 Welcome alley.	H. Classen & Son.	Straw storehouse.	2	6	Two-story brick.	Recall 5.52 p. m.; overheated flue.
Wedn'y	26	545	12.19	.....	1201 Scott st.	Tobias Akers.	Saloon and dwelling.	10	6	Three-story brick.	Recall 12.59 a. m.; unknown.
Thurs'y	27	614	.....	3.50	327 to 331 Warren avenue.	George F. Jones & Co.	Paper factory.	1, 2, 3, 4, 7 10, 11, 12	2, 6	Three-story brick.	Recall 10.34 p. m.; unknown.
2d alarm.				3.03							
Thurs'y	27	6	.....	10.18	117 Mercer st.	Chas. W. Lord & Co.	Woodenware storehouse.	3, 4, 15 15 Chem.	1, 2	Four-story brick.	Recall 11.36 p. m.; overheated stove.
Friday	28	145	12.46	.....	1421 Fairmount ave.	Moses Stein.	Grocery store & dwelling.	3	3	Three-story brick.	Recall 2.15 a. m.; unknown.
Friday	28	42	8.35	.....	N. W. cor. Fayette and Pearl sts.	Adolph Tabeling.	Dyeing and scouring establishment.	1 15 Chem.	2	Three-story brick.	Recall 9.18 a. m.; explosion of benzine; Adolph Tabeling badly burned and died next day.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Friday 28	242	.....	7.52	611 Forrest st.	Morris Friedman.	Provision store & shirt factory	6	5	Three-story brick.	Recall 8.37 p. m.; unknown.
Satur'y 29	62	.....	4.05	110 Weber st.	John N. Bollman.	Dwelling.	12	6	Two-story brick.	Recall 4.35 p. m.; explosion of gasoline stove; small child burned to death.
Sunday 30	526	3.24	.....	139 W. Camden st.	A. Schloss.	Grocery store & dwelling.	2	2, 6	Three-story brick.	Recall 4 a. m.; mice nibbling matches.
Sunday 30	156	6.32	.....	1528 Thames st.	Unoccupied.	.....	5	3	Five-story brick.	Recall 7.39 a. m.; unknown.
Sunday 30	359	11.50	.....	1107 N. Eutaw st.	H. Fillinger.	Dwelling.	.....	4	Three-story brick.	Recall 12.09 a. m.; burning chimney.
May.										
Monday 1	281	1.53	.....	Sinclair lane, Annex.	Unoccupied.	Barn.	5, 6 Chem.	.....	One-story frame.	Recall 3.09 a. m.; incendiary.
Monday 1	714	.....	9.48	Fort ave. and Jackson st.	William Allers & Bro.	Lime shed.	12	6	One-story frame.	Recall 10.15 p. m.; hot shells against lime sieve.
Monday 1	416	.....	10.21	527 W. Baltimore street.	Joseph Geigan.	Bicycle store.	1 15 Chem.	2	Four-story brick.	Recall 11.07 p. m.; unknown.
Wedn'y 3	394	.....	2.32½	Third ave., nr. Roland ave., Annex.	Salvation Army.	Meeting tent.	7 Chem.	.....	One-story canvas.	Recall 2.53 p. m.; incendiary.
Thurs'y 4	314	1.05	.....	403 Tyson st.	Letcher Jeter.	Grocery store & dwelling.	7 15 Chem.	4	Two-story and attic brick.	Recall 2.06 a. m.; unknown.
Thurs'y 4	234	9.55	.....	223 N. Ann st.	John Lannon.	Dwelling.	9	.....	Two-story brick.	Recall 10.10 a. m.; overheated stove.

Thurs'y Automatic.	4	848	.....	12.04	9 and 11 W. Baltimore st.	Armstrong, Cator & Co.	Wholesale millinery.	15	2	Five-story brick and iron.	Recall 12.27 p. m.; unknown.
Friday	5	423	12.00	.....	720 W. Baltimore st.	James R. Clark.	Wallpaper store & dwelling.	1	2	Three-story brick.	Recall 12.30 p. m.; overheated stove.
Friday	5	391	.....	5.23	2567 Francis street, Annex.	A. Bumgartner.	Dwelling.	.....	.....	Three-story brick.	Recall 5.34 p. m.; explosion of gasoline stove.
Friday	5	414	.....	19.39	311 W. Baltimore street.	S. J. Robinson & others.	Cap, clothing & cigar factory.	1, 15 15 Chem.	1, 2,	Four-story brick.	Recall 12.39 a. m.—6th; unknown.
Friday	5	156	.....	11.51	805 S. Bethel st.	Chas. S. Roberts.	Dwelling.	5	3	Two-story and attic frame.	Recall 12.39½ a. m.—6th; unknown.
Saturd'y	6	134	.....	12.44	520 Union Dock.	James E. Dubel.	Baled cotton on pavement.	3, 16	1, 3	.....	Recall 2.05 p. m.; unknown.
Sunday	7	531	12.59	.....	702 St. Peter st.	Chas. Beggerow.	Dwelling.	10 15 Chem.	6	Three-story brick.	Recall 1.19 a. m.; defective flue.
Sunday	7	161	2.24	.....	808 S. Ann st.	John Noll.	Dwelling.	5, 11	3	Two-story brick.	Recall 4.05 a. m.; unknown.
Sunday	7	35	.....	5.51	245 W. Biddle st.	Unoccupied.	.....	.....	4	Two-story and attic brick.	Recall 6.06 p. m.; sparks from chimney.
Tuesday	9	391	10.41	.....	2554 Druid Hill ave.	Edw. A. Moore.	Dwelling.	.....	.....	Two-story frame.	Recall 11.07 a. m.; gas jet igniting lace curtain.
Wedn'y	10	234	4.09	.....	223 N. Wolfe st. 225 N. Wolfe st.	H. W. Montgomery Wm. H. Tucker.	Dwellings.	5, 9	3	Two-story frame.	Recall 5.17 a. m.; defective flue.
Wedn'y	10	534	10.26	.....	949 S. Paca st.	Wm. Stinger.	Dwelling.	.....	.....	Two-story and attic brick.	Recall 10.41 a. m.; upsetting of gasoline stove.
Wedn'y	10	266	.....	9.17	1409 to 1413 East Monument st.	Wm. J. H. Gluck.	Tinware factory.	.....	.....	Four-story brick.	Recall 9.35 p. m.· smoke from window.
Thurs'y	11	31	.....	5.42	327 Courtland st.	Chas. Carroll.	Dwelling.	.....	.....	Four-story brick.	Recall 5.52 p. m.; heat from coal-oil stove.

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Thurs'y 11	423	.....	7.32	673 W. Baltimore st.	Amelia Leffler.	Millinery store & dwelling.	1	.....	Three-story brick.	Recall 7.41 p. m.; gas jet igniting goods.
Friday 12	472	.....	12.32	1041 N. Fulton ave.	W. L. Gray.	Dwelling.	.....	.....	Three-story brick.	Recall 12.47 p. m.; gas jet igniting lace curtain.
Satur'y 13	313	2.48	.....	508 Cathedral st.	Thos. R. Gaither.	Dwelling.	7 15 Chem.	4	Four-story brick.	Recall 4.01 a. m.; unknown.
Satur'y 13	7	7.14	.....	1453 Henry st.	John H. Schilmyer.	Dwelling.	12	.....	Two-story brick.	Recall 7.35 a. m,; explosion of gasoline stove.
Satur'y 13	612	.....	7.15½	34 E. Hughes st.	Flora Smith.	Dwelling.	.....	.....	Two-story brick.	Recall 7.27 p. m.; explosion of gasoline stove.
Satur'd 13	465	.....	10.05	2000 W. Pratt st.	John Strohmer.	Grocery store & dwelling.	14	8	Three-story brick.	Recall 10.35 p. m.; gasoline vapor set fire by lantern.
Monday 15	75	3.16	.....	1158 Cooksie st.	Ellen Bishop.	Cigar store and dwelling.	.....	6	Three-story brick.	Recall 3.39 a. m.; unknown.
Monday 15	151	.....	12.59	1438 E. Baltimore street.	Joseph Fisher.	Stable.	.....	.....	Two-story brick.	Recall 1.10 p. m.; unknown.
Monday 15	612	.....	3.44½	51 E. Montgomery street.	D. Wollrab.	Dwelling.	2, 12	6	Two-story and attic frame.	Recall 4.32 P. m.; explosion of gasoline stove.
Tuesday 16 2d alarm.	412	.....	1.34 1.37	32 W. Baltimore st.	O. F. Day, Son & Co.	Harness and trunk factory.	1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 15	1, 2, 4, 6	Five-story brick.	Recall 9 p. m.; unknown.

3d alarm.			145½				15 Chem. Truck.			
Tuesday 16	413	.....	2.43	N. W. cor. Liberty and Baltimore sts.	Morton C. Stout.	Tailor store.	1, 15	.....	Three-story brick.	Recall 2.43 p. m.; unknown.
Tuesday 16	48	.....	3.09½	....	....	....	....	.....	....	Recall 3.22 p. m.; false alarm.
Tuesday 16	44	.....	11.31	218 E. Baltimore st.	Chas. Miller.	Saloon and dwelling.	....	.....	Three-story brick.	Recall 11.36 p. m.; smoke from windows.
Wedn'y 17	283	.....	2.34	74 Harford road.	H. Heinzmann.	Stable.	9, 18 5, 6 Chem.	5	One and two-story frame.	Recall 3.58 p. m.; unknown.
Wedn'y 17	236	11.53	.....	2240 E. Fayette st.	K. Baum.	Stable.	11	3	One-story frame.	Recall 12.25 p. m.; unknown.
Wedn'y 17	435	11.53	.....	744 Frederick road, Annex.	Geo. H. Glenn.	Refrigerator storehouse.	14 1 Chem.	8	Six-story brick.	Recall 12.42 p. m.; dropping of lighted candle.
Wedn'y 17	241	.....	6.01	823 Hillen st.	John Bowman.	Confectionery store & dwelling.	6	....	Two-story and attic brick.	Recall 6.18 p. m.; unknown; aged colored woman burned to death.
Thurs'y 18	427	9.05	.....	....	....	....	....	.....	....	Recall 9.15 a. m.; false alarm.
Thurs'y 18	215	..... .	3.53	226 Rogers ave.	Henry J. Bailey.	Dwelling.	6	.....	Three-story brick.	Recall 4.04 p. m.; sparks from smoke-stack.
Thurs'y 18	14	.....	3.58	104 Albemarle st.	L. Sugar and others.	Tenement.	3	.....	Three-story and attic brick.	Recall 4.34 p. m.; burning chimney.
Friday 19	248	.....	3.25	409 Davis st.	Laura Davis.	Dwelling.	4	1	Three-story brick.	Recall 4.09 p. m.; unknown.
Satur'y 20	418	2.27	. .....	201 and 203 North Howard st.	E. Berman & Son.	Trunk factory.	1, 4, 7, 15 15 Chem.	1, 2	Three-story and attic brick.	Recall 4.10 a. m.; unknown.
Sunday 21	417	8.31½	.....	647 Portland st.	Henry Hoehlein.	Dwelling.	2 15 Chem.	2	Three-story brick.	Recall 9 a. m.; explosion of gasoline stove.

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Monday 22	399	1.27	.....	201 Carroll st., Woodberry, Annex.	Caroline Misal.	Dwelling.	....	.....	Three-story frame	Recall 1.55 a. m.; rats nibbling matches.
Monday 22	283	.....	6.51	44 Harford road, Annex.	August Breitenstein.	Stable.	9 5, 6 Chem.	7	One-story brick.	Recall 7.39 p. m.; unknown.
Tuesday 23	431	.....	3.00	749 and 751 West Pratt st.	A. C. Duffy and others.	Saw and planing mill.	....	.....	Three-story brick.	Recall 3.10 p. m.; sparks from stack.
Tuesday 23	182	.....	6.08	720 S. Montford av.	National Lead-pencil Co.	Pencil factory.	11	3	Two-story brick.	Recall 6.27 p. m.; sparks from chimney.
Tuesday 23	159	.....	6.51	600 S. Bond st.	Charles J. Hofmeister.	Beer saloon and tenement.	....	3	Four-story brick.	Recall 7.14 p. m.; unknown.
Tuesday 23	526	.....	7.43½	216 and 218 West Camden st.	Hugh Phillips.	China store and tenement.	1, 2 15 Chem.	2	Three-story brick.	Recall 8.33 p. m.; unknown.
Wedn'y 24	493	.....	12.40	759 Church st., Calverton, Annex.	T. Holloway.	Dwelling.	....	.....	Two-story frame.	Recall 1.01 p. m.; burning chimney.
Wedn'y 24	45	.....	8.03	757 and 759 West Baltimore st.	S. Latz & Sons.	Drygoods and notion store.	1, 8, 10, 15 15 Chem.	2	Two-story brick.	Recall 11.42 p. m.; gas jet igniting goods.
Wedn'y 24	425	.....	8.12	....	....	....	....	.....	....	Recall 8.28 p. m.; box pulled for preceding fire.
Thurd'y 25	283	2.00	.....	Darley Park, Harford road, Annex.	Darley Park Brewing Co.	Brewery.	9, 18 5, 6 Chem.	5	Two and four-story brick.	Recall 5.11 a. m.; unknown.
2d alarm.		2.06								
Friday 26	42	.....	1.53½	....	....	....	....	.....	....	Recall 2.06 p. m.; false alarm.

Satur'y 27	535	.....	12.36	1101 S. Carey st.	Geo. R. Norfolk.	Dwelling.	.....	.....	Two-story brick.	Recall 12.48 p. m.; explosion of gasoline stove.
Sunday 28	515	3.47	.....	317 W. German st.	Rieman, Doyle & Co.	Pork packing-house.	15 15 Chem.	2	Four-story brick.	Recall 5.01 a. m.; overheated furnace.
Monday 29	423	5.36	.....	670 Raborg st.	Abraham Fedler.	Grocery store & dwelling.	1 15 Chem.	2	Two-story brick.	Recall 6.38 a. m.; unknown.
Monday 29	153	.....	5.48½	1424 Hall alley.	Sophia Reese.	Dwelling.	3, 5	3	Two-story brick.	Recall 6.20 p. m.; rats nibbling matches.
Tuesday 30	428	4.43	.....	206 N. Poppleton street.	Wm. J. Stokes.	Dwelling.	8	4	Three-story brick.	Recall 5.34 a. m.; unknown.
Tuesday 30	291	.....	1.48	Huntingdon av., nr. York rd., Annex.	Baltimore Base-Ball Club.	Grand stand.	.....	.....	Two-story frame.	Recall 1.58 p. m.; unknown.
Tuesday 30	44	.....	7.21½	N. E. cor. Baltimore and North sts.	Geo. Esselman.	Picture frame factory.	4 15 Chem.	1	Four-story brick.	Recall 8.49 p. m.; unknown.
Wedn'y 31 2d alarm.	158	2.41 2.46	.....	1609 Thames st.	Engel, Kirchner & Regnier.	Coppersmith works.	2, 3, 4, 5, 6, 9, 15, 6 Ch.	1, 3	One and four-story brick.	Recall 6.33 a. m.; unknown.
Wedn'y 31	518	.....	8.16	Ranstead's wharf, foot Ridgely st.	C. F. Ranstead.	Mud scow.	10	6	Scow.	Recall 9.56 p. m.; incendiary.
Wedn'y 31	323	.....	11.58	Brunt street, near Lanvale.	E. D. Smith & Son.	Blacksmith shop.	7, 8, 13	4	One-story frame.	Recall 11.14 a. m.—1st; ignition of vapor from gasoline.
June.										
Thurs'y 1	215	.....	11.35	212 Chesnut st.	Wm. Sontag.	Dwelling.	6	.....	Three-story brick.	Recall 11.42 p. m.; burning chimney.
Thurs'y 1	251	.....	11.59	938 Aisquith st.	Jas. Clifford and others.	Stable.	6, 9	5	One-story brick and stone.	Recall 1.25 a. m.—2d; unknown.
Friday 2 2d alarm.	526	2.59 1.03	.....	205 W. Camden st.	Wolford & Shilberg.	Hat factory.	1, 2, 4, 10, 15 15 Chem.	1, 2 4, 6	Four-story brick.	Recall 3.16 a. m.; defective flue.
Friday 2 2d alarm.	532	.....	6.34 6.42	521 to 527 W. Lee street.	C. Eppler & Sons.	Cooper shop.	1, 2, 8, 10, 13, 15 15 Chem.	2, 6	One and two-story frame. One and two-story brick.	Recall 12.22 a. m.—3d; unknown.

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Satur'y	3	14 6.12½	.....	1105 E. Lombard street.	Joseph L. Fox.	Barber shop & dwelling.	3	1	Two-story and attic brick.	Recall 6.58 a. m.; unknown.
Sunday	4	146	..... 1.53	241 Albemarle st.	August Myer.	Dwelling.	3	1	Two-story and attic brick.	Recall 2.11 p. m.; burning chimney.
Sunday	4	283	..... 4.26½	138 Harford road, Annex.	Caroline Goldsmith.	Stable.	18 5, 6 Chem.	5	One-story frame.	Recall 5.17 p. m.; unknown.
Sunday	4	221	..... 9.00	314 N. Holliday st.	Martha Burdock.	Cigar store and dwelling.	4, 6	1	Two-story brick.	Recall 9.31 p. m.; explosion of coal-oil lamp.
Monday	5	438	..... 11.12	830½ Lemon st.	Henry Lovegrave.	Dwelling.	8, 14 15 Chem.	2	Two-story brick.	Recall 12.14 a. m.—6th; unknown.
Tuesday 2d alarm. 3d alarm.	6	546	..... 10.04 10.08 10.23	813 to 817 N. Howard st.	Jacob Wheatfield.	Box factory.	1, 2, 7, 8 10, 12, 15	2, 6	One and two-story brick and frame.	Recall 3.49 a. m.—7th; unknown.
Wedn'y	7	417	10.57	610 Portland st.	O. C. Rumpf & Co.	Furniture factory.	10, 15 15 Chem.	2	One and three-story brick.	Recall 11.46 a. m.; sparks from furnace.
Thurs'y	8	31	5.28	363 Davis st.	Unoccupied.	.....	4	.....	Two-story brick.	Recall 5.39 a. m.; unknown.
Thurs'y	8	46	8.57½	1518 W. Baltimore street.	Louis V. Wolfe.	Stove store and dwelling.	.....	.....	Three-story brick.	Recall 9.06 a. m.; lamp setting barrel of paint on fire.
Thurs'y	8	56	10.00	152 W. Hamburg street.	Robert Broadwater.	Dwelling.	2	6	Two-story and attic brick.	Recall 10.18 a. m.; burning chimney.
Thurs'y	8	314	..... 7.12¼	312 W. Franklin st.	Frank Ryan and others.	Laundry.	1	4	Three-story and attic brick.	Recall 8 p. m.; sparks from chimney.

Friday 9 2d alarm.	14	5.37 8.40	.....	902 and 904 Stiles street.	N. Frank and others.	Junk store.	1, 3, 4, 5, 6 9, 11, 15	1, 2 3, 5	Three-story brick.	Recall 10.30 a. m.; spontaneous combustion.
Friday 9	319	.....	4.39	16 E. Madison st.	Albert E. Smyrk.	Dwelling.	.....	.....	Three-story brick.	Recall 5 p. m.; vapor from benzine.
Sunday 11	4	12.46	.....	207 E. Baltimore street.	J. H. Bokel.	Cigar factory.	4	.....	Three-story brick.	Reeall 12.59 a. m.; unknown.
Sunday 11	273	2.26	.....	N. E. corner Oliver and Chester sts.	George Bauernschmidt Brewing Co.	Carpenter shop and storage shed.	9 6 Chem.	5	One-story frame.	Recall 4.31 a. m.; supposed incendiary.
Sunday 11	385	.....	10.18	2112 Mt. Royal ave., Annex.	A. Parlett Lloyd.	Dwelling.	18	4	Three-story brick. and stone.	Recall 12.12 a. m.—12th; unknown.
Tuesday 13	478	4.39	.....	1 Kaufman street, Annex.	C. Wambrer and others.	Dwelling.	3 Chem. 13, 14 1 Chem.	8	Two-story frame.	Recall 6.12 p. m.; explosion of gasoline stove.
Tuesday 13	47	4.44	.....	.....	.....	.....	.....	.....	.....	Recall 4.59 a. m.; box pulled for preceding fire.
Tuesday 13	543	.....	12.28	1272 Battery ave.	Samuel Meekins.	Dwelling.	12	6	Two-story brick.	Recall 12.56 p. m.; explosion of gasoline stove.
Tuesday 13	123	.....	3.47½	Smith's Wharf, near Pratt street.	Smith and Henderson.	Baled cotton.	3	1	Bales of cotton on wharf.	Recall 5.09 p. m.; sparks from pipe.
Wedn'y 14	13	9.20½	.....	N.E.Cor.Stiles street and East Falls ave.	Baltimore Wheat Co.	Waste factory.	3	1	Three-story brick.	Recall 10.21 a. m.; sparks from machine.
Wedn'y 14	233	.....	11.02	Mine Bank lane, near Mounment street.	Smith & Schuartz.	Brick kiln.	6 Chem.	3	One-story brick.	Recall 12.12 a. m.—15th; overheated kiln.
Thurs'y 15	43	4.19	.....	653 and 655 Cider alley.	J. H. Carsten and others.	Carpenter shop and stable.	1, 10, 15	2	Three-story brick.	Recall 5.10 a. m.; unknown.
Thurs'y 15 2d alarm.	31	5.26 5.31	.....	336 and 338 N. Calvert street.	E. A. Gorsuch.	Livery stable.	1, 3, 4 6, 7	1, 2 4	Three-story brick.	Recall 6.58 a. m.; unknown.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Co's.	Style of Buildings.	Remarks.
Thurs'y 15	636	8.58	.....	1008 Cooksie street.	Thomas Darling.	Dwelling.	2, 12	6	Three-story brick.	Recall 9.56 a. m.; unknown.
Thurs'y 15	367	11.13	.....	1115 Shield's alley.	James Harvey.	Dwelling.	13	4	Two-story brick.	Recall 11.27 a. m.; unknown.
Thurs'y 15	517	.....	4.22¾	Bayard street, near Warner street.	Swindell Bros.	Glass works.	10	.....	One-story frame.	Recall 4.45 p. m.; unknown.
Sunday 18	316	12.48	.....	North street, near Centre street.	Pennsylvania R. R. Co.	Freight office.	....	1	Three-story brick.	Recall 1.15 a. m.; gas jet setting fire to partition.
Sunday 18	246	2.41	.....	812 Somerset street.	Samuel Goldstein.	Underwear factory.	6	5	Two-story brick.	Recall 3.09 a. m.; unknown.
Monday 19	242	4.07	.....	805 and 807 E. Madison street.	Bernard J. McCourt.	Livery stable.	4, 6, 9	1, 5	Two-story brick.	Recall 5.54 a. m.; unknown.
2d alarm.		4.11								
Monday 19	422	.....	3.59	216 W. Fayette street	Emil Fisher.	Dyeing and Scouring establishment.	1, 15 15 Chem.	2	Three-story brick.	Recall 5.09 p. m.; vapor from benzine.
Tuesday 20	371	6.18	.....	1114 N. Mount street.	Albert Blackstone	Dwelling.	....	.....	Three-story brick.	Recall 6.26 a. m.; explosion of gasoline stove.
Tuesday 20	314	.....	3.28	418 N. Eutaw street.	Bryan & Browning.	Commission warehouse.	7	.....	Two-story brick.	Recall 3.40 p. m.; explosion of gasoline stove.
Tuesday 20	264	.....	3.51	1122 McElderry street.	J. J. Gardner.	Dwelling.	9	5	Three-story brick.	Recall 4.59 p. m.; unknown.
Tuesday 20	13	.....	7.29	118 Concord street.	Charles Amendt.	Blacksmith shop.	3	1	One-story brick.	Recall 7.44½ p. m.; hot ashes against lumber.

Wedn'y 21	314	1.04	.....	326 W. Franklin st.	M. Ament & Co.	Feed store.	1, 7, 8, 15 15 Chem.	2, 4	Three-story brick and attic.	Recall 8.25 a. m.; unknown.
Wedn'y 21	255	.....	1.51	1825 Aisquith st.	Edward Lloyd.	Dwelling.	....	5	Two-story brick.	Recall 2.05 p. m.; gasoline stove setting fire to partition.
Friday 23	491	2.06	.....	8 Beck lane, Annex	George Schultz.	Smoke-house.	14 1 Chem.	8	Two-story brick.	Recall 3.16 a. m., unknown.
Friday 23	631	.....	7.23	N. E. cor. Leadenhall & Wells sts.	R. E. Zell & Co.	Iron foundry.	.....	6	One-story brick.	Recall 7.44 p. m.; heat from cupola.
Friday 23	24	.....	9.32	315 Rogers avenue.	R. Halricht.	Pottery.	.....	.....	One-story brick.	Recall 9.43 p. m.; light from pottery.
Sunday 25	217	.....	10.17	529 N. Exeter st.	Margaret Farrell.	Grocery store & dwelling.	....	.....	Two-story brick.	Recall 10.25 p. m.; unknown.
Monday 26	416	10.12	.....	642 W. German st.	Henry Zeller.	Dwelling.	1 15 Chem.	2	Three-story brick	Recall 10.40 a. m; explosion of gasoline stove.
Tuesday 27	322	3.09	.....	732 N. Eutaw st.	William Cowles.	Shoe store and dwelling.	7	.....	Three-story brick	Recall 3.42 a. m.; unknown.
Tuesday 27	238	3.24	.....	1601 Abbott street.	Frank Rozuka.	Dwelling.	6, 9	.....	Two-story brick.	Recall 3.50 a. m.; supposed incendiary.
Wedn'y 28	132	.....	3.14½	....	....	....	....	.....	....	Recall 3.32 p.m.; false alarm.
Wedn'y 28	156	.....	7.53½	Brown's wharf, foot of Thames st.	R. M. Spedden & Co.	Tug-boat "Elsie."	16	3	Tug-boat.	Recall 8.43 p. m.; heat from boiler.
Thurs'y 29	248	4.50	.....	Northeast cor. Centre & Holliday sts.	The Henry McShane Co.	Carpenter shop.	4, 6 7, 9	1, 2	Three-story brick	Recall 7.05 a. m.; unknown.
2d alarm.		4.54								
Friday 30	418	11.34	.....	232 W. Lexington st.	Weil & Bro.	Fur store.	....	.....	Three story brick	Recall 11.41 a. m.; smoke from stovepipe.
July.										
Satur'y 1	213	.....	8.30	909 Low street.	William Goldstein.	Clothing store and dwelling.	.....	.....	Two-story brick.	Recall 10.28 p. m.; unknown.
Satur'y 1	48	.....	10.15	1618 Frederick ave. Annex.	Dora Hiop.	Dwelling.	8, 14 1 Chem.	2, 8	Two-story frame.	Recall 12.15½ a. m.—2d; unknown.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Monday 3	542	.....	5.21	Eutaw and West sts.	William Knabe & Company.	Piano factory.	.....	.....	Five-story brick.	Recall 5.42½ p. m.; lightning striking wires; no fire.
Monday 3	41	.....	6.40	11 E. Lexington st.	Travis Moale and others.	Office building.	4 15 Chem.	1, 2	Six-story brick.	Recall 7.25 p. m.; unknown.
Monday 3	264	.....	8.30	540 N. Caroline st.	Frank Pellens.	Notion store and dwelling.	.....	.....	Three-story brick.	Recall 8.39 p. m.; gas jet setting goods afire.
Tuesday 4	397	9.14	.....	Merryman's lane, near Cedar ave., Annex.	Mary Barton.	Dwelling.	7 Chem.	9	Two-story brick.	Recall 9.48 a. m.; sparks from open hearth.
Tuesday 4	128	9.22½	.....	506 E. Lombard st.	Weaver, Goot & Company.	Candy factory.	.....	.....	Four-story brick.	Recall 9.27 a. m.; smoke from chimney.
Tuesday 4	426	.....	1.09¼	6 Carlton street.	George Wooden.	Dwelling.	8	.....	Two-story brick.	Recall 1.25 p. m.; unknown.
Tuesday 4	312	.....	2.38½	202 W. Lexington street.	C. F. Beehler.	Umbrella store and dwelling.	1 15 Chem.	2	Three and one-half story brick.	Recall 2.59 p.m.; unknown.
Tuesday 4	262	.....	5.12¾	1105 N. Gay street.	H. G. Eleen.	Cigar store and dwelling.	9	5	Three-story brick.	Recall 5.40 p. m.; sparks among fireworks in window.
Tuesday 4	161	.....	5.27¾	513 S. Ann street.	Lawrence Cromwell.	Dwelling.	.....	.....	Four-story brick.	Recall 5.32½ p. m.; explosion of gasoline can.
Tuesday 4	266	.....	9.01½	501 N. Eden street.	John Ayers.	Dwelling.	.....	5	Three-story brick.	Recall 9.20 p. m.; fireworks falling on roof.

Tuesday	4	143	.....	9.08½	1080 Granby street.	John T. Nicholson.	Hardware store	.....	.....	Three-story brick.	Recall 9.16 p. m.; unknown.
Tuesday	4	15	.....	11.19	1523 Bank street.	Caroline Fisher.	Dwelling.	.....	3	Two-story and attic frame.	Recall 12.06 a. m.—5th; fireworks falling on roof.
Wedn'y	5	153	1.47	.....	1505 Eastern ave.	Joseph Staniska.	Dwelling.	.....	3	Two and one-half story frame.	Recall 2.07 a. m.; unknown.
Wedn'y	5	163	11.14	.....	2013 E. Baltimore street.	Wm. F. Fuller.	Dwelling.	.....	.....	Three-story brick.	Recall 11.31 a. m.; fireworks falling on roof.
Wedn'y	5	157	.....	4.15	819 S. Caroline st.	George Meeter.	Tenement.	.....	3	Three-story brick.	Recall 4.44 p. m.; overheated stove-pipe.
Wedn'y	5	24	.....	4.17½	360 N. Gay street.	Jacob Holder.	Dwelling.	4, 6	1	Three-story brick.	Recall 4.44¼ p. m.; unknown.
Wedn'y	5	297	.....	6.12½	302 Three and One-Half st., Annex.	J. H. O'Rourke.	Dwelling.	18 3 Chem.	5	Two-story brick.	Recall 7.00 p. m.; explosion of coal-oil lamp.
Wedn'y	5	314	.....	10.52	431 Tyson st.	Thos. McGann.	Dwelling.	.....	.....	Three-story brick.	Recall 11.04 p. m.; unknown.
Thur'y Automatic	6	889	.....	5.24½	714 Water st.	E. F. Kirwan & Co.	Can factory.	.....	1	Three-story brick.	Recall 5.43 p. m.; explosion of fire-pot.
Thur'y	6	251	.....	6.17½	820 Ensor st.	Baltimore Waste Co.	Waste factory.	6	5	Three-story brick.	Recall 7.20 p. m.; unknown.
Thur'y	6	383	.....	8.21	2011 Etting st.	Benjamin Queen.	Dwelling.	13	4	Two-story brick.	Recall 8.55 p. m.; unknown.
Friday	7	48	.....	8.32	.....	.....	.....	.....	.....	.....	Recall 9.02 p. m.; false alarm.
Satur'y	8	393	.....	4.35	215 Chestnut ave., Hampden, Annex.	Elizabeth Kline.	Dwelling.	.....	9	Three-story brick.	Recall 5.05 p. m.; burning chimney.
Satur'y	8	121	.....	5.58	21 S. Holliday st.	Chamber of Commerce & others.	Office building.	4	.....	Four-story brick.	Recall 6.47 p. m.; spark from tinner's fire-pot.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday 9	151	.....	7.56	1408 E. Baltimore street.	Michael Sharpers.	Dwelling.	.....	.....	Three-story brick.	Recall 8.10 p. m.; explosion of gasoline stove.
Monday 10	523	.....	8.25	415 S. Paca st.	David Winternitz	Dwelling.	1	2	Three-story brick.	Recall 8.48 p. m.; unknown.
Monday 10	143	.....	9.05	1311 E. Pratt st.	Samuel Seidman.	Dwelling.	3	.....	Three-story brick.	Recall 9.22 p. m.; explosion of gasoline stove.
Tuesday 11	146	9.20	.....	240 S. High st.	John Zamel.	Dwelling.	.....	.....	Two-story and attic brick.	Recall 9.28 a. m.; upsetting of coal-oil stove.
Wedn'y 12	212	11.18	.....	132 N. Front st.	Louis Goldberg.	Tenement.	3, 4, 6 15 Chem.	1, 2	Two-story and attic brick.	Recall 1.15 p. m.; explosion of gasoline stove.
Thur'y 13	236	11.18	.....	Loney's lane, near Biddle st.	Wm. H. Perot & Sons.	Brick-yard.	9 6 Chem.	3, 5	One-story frame.	Recall 11.29 a. m.; overheated kiln.
Thur'y 13	274	11.39	.....	.....	.....	.....	.....	.....	.....	Recall 5 p. m.; box pulled for preceding fire.
Thur'y 13	238	.....	4.35½	1406 Anthony st.	Henry Hoffman.	Dwelling.	.....	5	Three-story brick.	Recall 5.01 p. m.; defective flue.
Thur'y 13	214	.....	5.58½	219 N. Exeter st.	Annie Levy.	Dwelling.	.....	.....	Three-story brick.	Recall 6.13½ p. m.; unknown.
Thur'y 13	417	.....	7.02½	.....	.....	.....	.....	.....	.....	Recall 7.12 p. m.; smoke from windows.

Friday 14	515	1.34	.....	Pig alley, nr. Eutaw street.	Samuel Winternitz.	Stable.	1, 2, 10, 15	2	Two-story brick.	Recall 3.10 a. m.; unknown.
Satur'y 15	349	.....	5.48¾	2556 Hudson alley, Annex.	Vincent Arrego.	Dwelling.	....	.....	Two-story brick.	Recall 6.03 p. m.; explosion of gasoline stove.
Tuesday 18	242	12.30	.....	S. E. corner Clark and Graves sts.	Manning & Fox.	Stable.	6	5	One-story brick.	Recall 12.59 a. m.; unknown.
Tuesday 18	26	12.37	.....	719 N. Gay street.	Francis Ackerman.	Shoe store and dwelling.	3	1	Twoard one-half-story brick.	Recall 2.01 a. m,; unknown.
Tuesday 18	61	11.52	.....	58 E. Hill street.	Unoccupied.	....	2	6	Two-story and attic brick.	Recall 12.14 p. m.; sparks from chimney.
Tuesday 18	328	.....	3.28½	521 Mosher street.	Eugene Willoughby.	Dwelling.	13	.....	Three-story brick	Recall 3.35 p. m.; incendiary.
Tuesday 18	61	.....	7.04	....	....	....	....	.....	....	Recall 7.14 p. m.; smoke from windows.
Wedn'y 19	43	.....	7.57	619 W. Lombard st.	H. Marcks.	Dwelling.	15 Chem.	2	Three-story brick	Recall 8.17 p. m.; unknown.
Thur'y 20	157	8.58	.....	1520 Lancaster st.	Frank Karouski.	Tenement.	....	3	Two-story and attic brick.	Recall 9.12 a. m.; sparks from pipe.
Friday 21	215	.....	10.10	1204 Jackson street.	A. Saller.	Dwelling.	....	.....	Three-story brick	Recall 10.20 a. m.; gas jet setting curtain afire.
Satur'y 22	362	1.13	.....	207 Myrtle avenue.	John H. Miles.	Dwelling.	.....	4	Three-story brick	Recall 1.30 a. m.; unknown.
Satur'y 22	157	7.07	.....	831 to 839 S. Caroline street.	J. H. Thiemeyer.	Box factory.	5	3	Three-story brick	Recall 8.23 a. m.; sparks from furnace.
Satur'y 22	262	.....	11.43	1037 N. Broadway.	Sarah Segar.	Dwelling.	6	5	Three-story brick	Recall 12.01 a. m.; unknown.
Sunday 23	24	7.41	.....	1008 Low street.	Jacobson & Buckstein.	Grocery store and dwelling	4, 6	1	Three story brick	Recall 8.47 a. m.; unknown.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Tuesday 25	43	12.30	.....	624 & 626 W. Pratt street.	Bagby & Rivers.	Furniture factory.	.....	.....	Five-story brick.	Recall 12.55 a. m.; burning soot in stack.
Tuesday 25	268	11.59	.....	Townsend & Caroline streets.	.....	.....	.....	.....	Rubbish on lot.	Recall 12.27 p. m.; incendiary.
Tuesday 25	63	.....	12.40	1401 Patapsco st.	Louis P. Yeager.	Saloon and dwelling and undertaker's work-shop.	2, 12	6	Two-story brick.	Recall 159½ p. m.; unknown.
Tuesday 25	435	.....	1.59½	McHenry street, nr. Poppleton street.	Isaac S. Filbert.	Asphalt works.	8, 10, 15	2	One-story frame.	Recall 3.15 p. m.; overheated stack.
Tuesday 25	244	.....	3.04	839 Neighbor street.	Unoccupied.	.....	.....	5	Two and one-half-story brick.	Recall 3.26 p. m.; unknown.
Wedn'y 26	453	12.16	.....	Baltimore and Potomac R. R., near Mosher st.	Baltimore & Potomac R. R. Co.	.....	8, 13	4	Pile of cross-ties.	Recall 1.36 a. m.; sparks from locomotive.
Wedn'y 26	234	8.09	.....	1725 McCubbin st.	Henry Dorkins.	Stable.	5, 9	3	Two-story frame.	Recall 8.40 a. m.; unknown.
Wedn'y 26	48	.....	3.31	.....	.....	.....	.....	.....	.....	Recall 3.44 p. m.; false alarm.
Wedn'y 26	247	.....	8.27	585 N. Gay street.	B. L. Mitnick.	Shoe store and dwelling.	6, 9	5	Two-story brick.	Recall 9.00 p. m.; unknown.
Wedn'y 26	383	.....	8.45	2020 Etting st.	Louis Collic.	Dwelling.	13	.....	Two-story brick.	Recall 8.56 p. m.; unknown.
Thur'y 27	327	.....	9.30	329 McMechin st.	Frank Schulte.	Barber shop.	13	4	One-story brick.	Recall 9.56 p. m.; unknown.

Friday	28	437	7.43	.....	619 W. Lombard st.	Hyman Marcks.	Dwelling.	1	.....	Four-story brick.	Recall 7.56 a. m.; explosion of gasoline stove.
Friday	28	231	8.10	.....	404 N. Bethel st.	Charles Bell.	Dwelling.	9	3	Two-story brick.	Recall 8.36 a. m.; unknown.
Friday	28	145	.....	5.59½	1236 E. Fayette st.	Jos. Goldstein.	Clothi'g factory and dwelling.	3	.....	Three-story brick.	Recall 6.08 p. m.; explosion of gasoline stove.
Sunday	30	61	4.10	.....	712 Light st.	Wm. S. Tull.	Grocery store and dwelling.	.....	6	Two-story and attic brick.	Recall 4.27 a. m.; rats nibbling matches.
Sunday	30	62	8.27	.....	1208 Light st.	Geo. T. Waters.	Dwelling.	.....	.....	Three-story brick.	Recall 8.40 a. m.; explosion of gasoline stove.
Sunday	30	271	.....	5.24½	921 N. Durham st.	John Klipner.	Dwelling.	6	.....	Two-story brick.	Recall 5.39 p. m.; unknown.
Monday	31	813	.....	2.45¾	218 W. Baltimore street.	Hamburger Bros.	Clothing factory.	.....	.....	Five-story brick.	Recall 3.02 p. m.; accidental alarm; man fixing wires.
Automatic											
August.											
Tuesday	1	64	2.59	.....	1712 Light street.	William Kelly.	Grocery store and dwelling.	12	6	Two-story brick.	Recall 3.20 a. m.; unknown.
Wedn'y	2	5	.....	6.51¾	23 E. German street.	L. W. Marston.	China store.	.....	.....	Three-story brick.	Recall 7.05 p. m.; smoke from chimney.
Wedn'y	2	417	.....	9.00	424 S. Paca street.	Vincent Cornelius	Dwelling.	10	2	Three-story brick.	Recall 9.15 p. m.; explosion of coal-oil lamp.
Thurs'y	3	365	10.05	.....	914 Greenwillow st.	Elizabeth Moody.	Dwelling.	.....	4	Two-story brick.	Recall 10.17 a. m.; children playing with matches.
Thurs'y	3	162	.....	2.53½	813 S. Ann street.	Henry Knoch and others.	Tenement.	5, 11	3	Three-story brick.	Recall 3.38 p. m.; sparks from stack.
Satur'y	5	247	.....	3.16	718 Stirling street.	George Schilling.	Stable.	6, 9	5	Two-story brick.	Recall 4.12 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday	6	393	.... ..	12.45	738 First st., Annex.	William S. Woods.	Dwelling.	....	.....	Two-story frame.	Recall 1.04 p. m.; explosion of can of gasoline.
Sunday	6	248	. .....	8.12	S. E. Cor. Centre and Holliday sts.	The Henry McShane Co.	Brass & Plumber Supply Works.	7	1	Three-story brick.	Recall 12.26 a. m.—7th; unknown.
Monday	7	616	8.18½	.....	Foot Donaldson st.	Estate of Ross Winans.	Wharf.	12	6	Wharf.	Recall 9.54 a. m.; incendiary.
Monday	7	263	.....	2.37	1111 Dallas street.	Tobias Jacobs.	Dwelling.	9	5	Two-story frame.	Recall 3.20 p. m.; explosion of gasoline stove.
Monday	7	121	.....	11.34	306 and 308 E. Pratt street.	John H. Wise & Co.	Sail loft.	4, 6	1, 3	Four-story brick.	Recall 12.36 a. m.—8th; unknown.
Tuesday	8	39	2.20	.....	2307 Division street.	S. Lewis.	Dwelling.	2 Chem.	4	Two-story brick.	Recall 2.56 a. m.; unknown.
Tuesday	8	393	.....	2.11	917 First ave., Mt. Vernon. Annex.	John H. Sellman.	Dwelling.	7 Chem.	.....	Three-story brick.	Recall 2.31 p. m.; smoking pipe in bed.
Tuesday	8	413	.....	3.48¾	S. W. Cor. Fayette st. and McClellan al.	Unoccupied.	....	1, 4, 15 15 Chem.	1, 2	Four-story brick.	Recall 5.07 p. m.; incendiary.
Tuesday	8	146	.....	8.30	346 Albermarle st.	Burris Farbursu.	Dwelling.	3	1	Two-story brick.	Recall 8.50 p. m.; explosion of gasoline stove.
Wedn'y	9	24	.....	4.14	339 and 341 N. Gay street.	Louis Kaufman.	Picture frame factory.	6	.....	Three-story brick.	Recall 4.34 p. m.; unknown.
Wedn'y	9	235	.....	8.19	731 N. Castle st.	George Gebelein & Bro.	Smokehouse.	9	3	Three-story brick.	Recall 9.22 p. m.; meat falling in fire.

Thurs'y 10	365	.....	4.05	930 Pennsylvania avenue.	Mary Bamberger.	Dwelling.	.....	4	Three-story brick.	Recall 4.24 p. m.; unknown.
Thurs'y 10	394	.....	4.49½	407 and 409 Third ave., Hampden, Annex.	Edward McGann and others.	House furnishing store, dwelling and stable.	7, 13, 18 2,3,4,7Ch.	5, 9	One, two and three-story brick and frame.	Recall 10.43 p. m.; spontaneous combustion.
2d alarm.	....	.....	4.56½							
Thurs'y 10	535	.....	8.24	1463 Columbia ave.	Casper Vogel.	Dwelling.	.....	.....	Three-story brick.	Recall 8.40 p. m.; explosion of lantern.
Friday 11	532	7.22	.....	608 W. Barre st.	Mrs. Emma Holler.	Dwelling.	2	6	Three-story brick.	Recall 7.38 a. m.; explosion of gasoline stove.
Satur'y 12	212	.....	9.46	624 E. Fayette st.	Samuel Lionsion.	Saloon and dwelling.	.....	1	Three-story brick.	Recall 10.07 p. m.; unknown.
Monday 14	393	.....	1.05	3092 Cedar avenue, Annex.	William James.	Dwelling.	.....	9	Two-story brick.	Recall 1.32 p. m.; unknown.
Thurs'y 17	217	12.57	.....	.....	.....	.....	.....	.....	.....	Recall 1.14 a. m.; false alarm.
Thurs'y 17	453	.....	10.40	S. E. cor. Lanvale st & Carrollton ave.	Grace M. E. Church.	Church.	8, 13	4	Two-story stone.	Recall 12.00 p. m.; unknown.
Friday 18	51	.....	2.04½	110 E. Pratt street.	Wm. J. Hooper.	Seine factory.	4	.....	Four-story brick.	Recall 2.20 p. m.; sparks from chimney.
Friday 18	616	.....	5.10½	Foot of Donaldson street.	Unoccupied.	.....	12, 16	6	Wharf.	Recall 7.24 p. m.; incendiary.
Satur'y 19	51	.....	2.59	.....	.....	.....	.....	.....	.....	Recall 3.14 p. m.; accidental alarm—man repairing box.
Satur'y 19	232	.....	3.29	1522 Fairmount ave.	Patrick Long.	Dwelling.	9	1, 3	Two-story brick.	Recall 4.20 p. m.; unknown.
Sunday 20	421	6.40	.....	667 Vine street.	Isaiah Walker.	Dwelling.	1 15 Chem.	2	Two-story and attic brick.	Recall 7.27 a. m.; unknown.
Monday 21	348	1.56	.....	1718 Guilford ave.	Albert White.	Bakery and stable.	6, 7, 18 3 Chem.	5	Two and three-story brick.	Recall 4.47 a. m.; spontaneous combustion of new hay.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Monday 21	417	.....	2.59	225 S. Green street.	Mrs. Mary Stringold.	Dwelling.	.....	.....	Three-story brick.	Recall 3.05 p. m.; lighted paper dropped on gasoline can.
Monday 21 2d alarm.	522	.....	6.35 6.38¾	308 Light street.	R. C. Norman & Company.	Broom corn warehouse.	1, 2, 3, 4, 12, 15, 16 15 Chem.	1, 2, 6	Three-story and attic brick.	Recall 2.40 a. m.—22d; unknown.
Wedn'y 23 2d alarm.	414	9.16 9.37	.....	303 W. Baltimore st	Aaron Brag.	Furniture store.	1, 2, 3, 4, 6, 7, 8, 10, 15 15 Chem.	1, 2, 4, 6	Five-story brick and iron.	Recall 12.58 p. m.; unknown.
Wedn'y 23	413	9.59	.....	5 N. Liberty street.	C. Y. Davidson & Company.	Plumbing and gas fixture store.	6, 12, 13, 15	5	Four-story brick.	Recall 11.29 a. m.; unknown.
Thurs'y 24 2d alarm.	516	7.07 7.13	.....	Ransteads' wharf, foot Scott street.	Aug. Fenneman. Hamil'n Mitchell	Stable. Coal yard.	1, 2, 7, 8, 10, 12, 15, 16	2, 6	One and two-story frame.	Recall 6.40 p. m.; spontaneous combustion.
Thurs'y 24	519	.....	12.05	.....	.....	.....	.....	.....	.....	Recall 12.24 p. m.; false alarm.
Friday 25	141	6.45	.....	President street and Canton avenue.	Moses W. Leib.	Planing mill.	3	1, 3	Three-story brick.	Recall 7.28 a. m.; unknown.
Satur'y 26	395	10.53	.....	408 Falls Road, Annex.	Edward Ford.	Dwelling.	.....	.....	Two-story frame.	Recall 11.21 a. m.; explosion of coal-oil can.
Satur'y 26	266	.....	8.34	1235 McElderry st.	Abraham Goodman.	Dwelling.	6	.....	Three-story brick.	Recall 8.55 p. m.; unknown.
Satur'y 26	272	.....	11.47	2000 E. Biddle st.	Henry Franz.	Stable.	6, 9	3	One-story frame.	Recall 12.56 a. m.—27th; unknown.

Tuesday 29	48	.....	12.28	Annex.	.....	.....	.....	.....	.....	Recall 12.45 a. m.; false alarm.
Tuesday 29	415	12.35	.....	107-111 N. Eutaw street.	C. Y. Youse & Co.	Paper box factory.	1	.....	Four-story brick.	Recall 1.00 a. m.; electric light wire.
Tuesday 29 2d alarm.	123	3.21 3.30	.....	241 Smith's Wharf.	W. W. Clark & Son.	Lime, hair and cement ware house.	2, 3, 4, 6 15, 16	1, 3	Three-story brick.	Recall 11.23 a. m.; slaking lime.
Tuesday 29 2d alarm.	48	3.52 4.06	.....	Annex.	.....	.....	.....	... ...	....	Recall 9.10 a. m.; false alarm caused by storm.
Wedn'y 30	361	8.48	.....	614 W. Saratoga st.	Lizzie Johnson.	Dwelling.	1	2	Three-story brick.	Recall 9.07 a. m.; unknown.
Thurs'y 31	393	3.46	.....	Charles street, near Merryman's lane, Annex.	Wm. Wyman.	Barn and stable	3 Chem.	.....	Two-story frame.	Recall 6.40 a. m.; unknown.
Thurs'y 31	398	3.57	.....	Annex.	.....	.....	.....	.....	....	Recall 4.20 a. m.; box pulled for preceding fire.
Thurs'y 31	531	10.08	.....	722 Ramsey street.	Wm. Butmiller.	Dwelling.	10 15 Chem.	.....	Two-story brick.	Recall 10.40 a. m.; defective flue.
Thurs'y 31	437	.....	7.40	122 S. Greene street.	Peter Adams.	Dwelling.	.....	.....	Three-story brick.	Recall 7.48 p. m.; explosion of coal-oil lamp.
Thurs'y 31 2d alarm.	134	.....	8.36 8.45	520 Union Dock.	James Bolden.	Storage ware-house.	3, 4 6, 15	1, 2 3, 5	Four-story brick.	Recall 10.02 p. m.; spontaneous combustion.
Thurs'y 31	442	.....	9.47	623 Raborg street.	Darcus Curtis.	Dwelling.	.....	.....	Three-story brick.	Recall 10.00 p. m.; explosion of gasoline stove.
September.										
Friday 1	267	4 27	.....	Washington st., nr. Boundary ave.	Unoccupied.	.....	6, 9	5	Two-story frame.	Recall 5.26 a. m.; unknown.
Friday 1	214	7.58	.....	1009 E. Fayette st.	Abraham Cohen.	Dwelling.	.....	1	Three-story and attic brick.	Recall 8.27 a. m.; burning chimney.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday	3	269	6.59	.....	2329 McElderry st.	Frank Miller.	Dwelling.	.....	.....	Three-story brick.	Recall 7.14 a. m.; burning chimney.
Sunday	3	364	9.44	.....	555 W. Biddle st.	E. S. Burgess.	Dwelling.	7	4	Two-story and attic brick.	Recall 10.10 a. m.; unknown.
Monday	4	354	.....	3.41	1211 Foster alley.	Wm. H. Stewart.	Dwelling.	7	4	Two-story brick.	Recall 4.47 p. m.; unknown.
Monday	4	412	.....	6.22¼	12 Hanover street.	L. Finneman.	Embroidery factory.	1, 2, 4, 15, 15 Chem.	1. 2	Five-story brick.	Recall 8.15 p. m.; unknown.
Tuesday	5	635	.....	2.31	1632 E. Fort ave.	Henry Frederick.	Dwelling.	.....	.....	Two-story brick.	Recall 2.49 p. m.; sparks from pipe.
Wedn'y	6	484	.....	7.27½	33 Young street, Annex.	August L. Kratz.	Dwelling.	.....	.....	Two-story frame.	Recall 7.47 p. m.; explosion of gasoline stove.
Thurs'y	7	329	.....	2.12	.....	.....	.....	.....	.....	.....	Recall 2.19 p. m.; false alarm.
Thurs'y	7	6	.....	7.12	.....	.....	.....	.....	.....	.....	Recall 7.19 p. m.; false alarm.
Thurs'y	7	636	.....	10.00	1345 Garrett ave.	August Lorenz.	Dwelling.	12	6	Two-story brick.	Recall 10.35 p. m.; explosion of coal-oil lamp.
Friday	8	6	10.34	.....	.....	.....	.....	.....	.....	.....	Recall 10.40 p. m.; false alarm.
Friday	8	41	.....	11.16	10 E. Lexington st.	Mary Miller and others.	Office building and dwelling.	1, 4, 6	1, 2	Four-story brick.	Recall 12.48 a. m.—9th; unknown.
Friday	8	295	.....	11.58	210 E. Twenty-third street, Annex.	John M. Phelan.	Dwelling.	3 Chem.	7	Three-story brick.	Recall 12.34 a. m.—9th; lighted match thrown on bed.

Satur'y	9	284	10.34	.....	526 Gorsuch avenue, Annex.	John G. Green.	Dwelling.	18 3,4,5 Chem	7	Two-story frame.	Recall 12.19 p. m.; overheated stove-pipe.
Satur'y	9	352	.....	7.02½	1616 Bolton street.	Otto Duker.	Dwelling.	....	.....	Three-story brick	Recall 7.12 p. m.; unknown.
Monday 2d alarm.	11	171	6 34 6.38	.....	2112 Boston street.	S. Ruth & Co.	Can factory.	5, 9, 11, 16	1, 3	One and four story brick.	Recall 8.34 a. m.; explosion of gasoline tank.
Monday	11	427	.....	4.41¼	S.W. cor. Pearl and Lexington sts.	U. S. Tea Company & others.	Tea store and dwelling.	1, 7, 15 15 Chem.	2	Two-story and attic brick.	Recall 5.45 p. m.; unknown.
Monday	11	418	.....	6.43½	320 Marion street.	John Sidie.	Tenement.	.....	2	Three-story brick.	Recall 6.54 p. m.; explosion of coal-oil lamp.
Tuesday	12	31	12.24	.....	311 N. Calvert st.	Patrick McNamara.	Saloon and dwelling.	4	1	Three-story brick.	Recall 12.47 a.m.; unknown.
Tuesday	12	535	2.49	.....	1210 Bayard st.	August Rodchs.	Grocery store and dwelling.	8, 10	6	Two-story brick.	Recall 4.26 a. m.; unknown.
Satur'y	16	145	11.12	.....	1017 E. Baltimore st.	German Branch Y. M. C. A.	Meeting rooms and gymnasium.	3, 4, 5 6, 9	1, 3	Three-story brick.	Recall 11.33 a. m.; sparks from tinner's fire pot.
Satur'y	16	214	11.19	.....	.....	.....	.....	.....	.....	....	Recall 12.35 p. m.; box pulled for preceding fire.
Satur'y	16	162	.....	1.54	1814 Lancaster st.	Kate Anton.	Grocery store & dwelling.	.....	3	Two-story brick.	Recall 2.07 p. m.; explosion of gasoline stove.
Satur'y	16	244	.....	3.34	914 Hillman st.	Louis Harper.	Dwelling.	....	.....	Two-story brick.	Recall 3.49 p. m.; explosion of gasoline stove.
Satur'y	16	52	.....	9.12	211 W. Conway st.	Herbert R. Linthicum.	Dwelling.	2	.....	Three-story brick.	Recall 9.22 p. m.; unknown.
Sunday	17	15	7.19	5.....	425 S. Bond st.	Benjamin Street.	Grocery store & dwelling.	5	3	Two-story and attic brick.	Recall 7.37 a. m.; explosition of coal-oil lamp.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Monday 18	495	.....	6.44	Singluff lane, Annex	Jacob Brieoogel.	Slaughter and ice houses and stable.	13, 14 1, 2 Chem.	8	Two and three-story brick, one-story frame.	Recall 1.04 a. m.—19th; unknown.
Monday 18 2d alarm.	64	.....	7.13 7.16	S. E. Cor. Light and Heath sts.	Baltimore City Passenger Railway Co.	Feed storehouse	2, 10, 12	6	Two-story frame.	Recall 1.42 a. m.—19th; spontaneous combustion.
Tuesday 19	348	.....	3.16	1708 Latrobe st.	Henry Bauber.	Dwelling.	.....	5	Two-story brick.	Recall 3.32 p.m.; overheated stove.
Tuesday 19	416	.....	3.45	16 S. Green st.	Mrs. A. Peters.	Dwelling.	.....	.....	Three-story brick.	Recall 3.54 p. m.; smoke from windows.
Friday 22	273	.....	3.25	2000 E. Oliver st.	Barbara Cullison.	Dry goods store and dwelling.	.....	....	Three-story brick.	Recall 3.33½ p. m.; children playing with matches.
Friday 22	6	.....	3.47½	207 E. Lombard st.	Enterprise Coffee Co.	Coffee roasting establishment.	4	1	Three-story brick.	Recall 4.17 p.m.; overheated journal.
Sunday 24	428	4.32	.....	1038 Vine st.	Frank Tuckson.	Dwelling.	8	4	Two-story brick.	Recall 5.29 a. m.; unknown.
Monday 25	439	5.04	.....	29 S. Carlton st.	Jacob Murr.	Dwelling.	10	.....	Two-story brick.	Recall 5.25 a. m.; explosion of gasoline stove.
Monday 25	181	.....	1.29	1115 Robinson st.	Charles Horst.	Dwelling.	11	3	Two-story brick.	Recall 1.54 p. m.; unknown.
Tuesday 26	153	.....	6.02½	509 S. Bond st.	Joseph Behrman.	Provision store and tenement.	....	3	Three-story brick.	Recall 6.23 p. m.; oil taking fire from gasoline stove.

Thurs'y	28	143	.....	11.59	228 S. Spring st.	Honora Quirk.	Grocery store & dwelling.	....	3	Two-story brick.	Recall 12.19½ a. m.—29th; explosion of coil-oil lamp.
Friday	29	432	12.30	.....	917 McHenry st.	James White.	Dwelling.	10	2	Three-story brick.	Recall 1.07 a. m.; unknown.
Satur'y	30	452	.....	8.51	217 Parrish alley.	Thomas Davis.	Dwelling.	8	.....	Two-story brick.	Recall 9.12 p. m.; unknown.
October.											
Monday	2	535	2.19	.....	1435 Columbia ave.	James L. Biemiller	Grocery store and dwelling.	10	6	Two-story brick.	Recall 3.54 a. m.; unknown; Mrs. J. L. Biemiller suffocated and died.
Wedn'y	4	67	1.32	.....	2300–2304 Hanover street.	Amelia Sachs. Albert Jenkins.	Stable.	2, 12	6	One-story frame.	Recall 3.17 a. m.; unknown.
Wedn'y	4	68	1.37	.....	....	....	....	....	.....	....	Recall 1.56 a. m.; box pulled for preceding fire.
Wedn'y	4	429	3.34	.....	1317 W. Baltimore street.	Gustavus Carl.	Bakery and dwelling.	8, 13, 14	2	Three-story brick.	Recall 5.57 a. m.; unknown.
Wedn'y	4	394	9.32	.....	623 3d ave., Woodberry, Annex.	Jerrod R. Bull.	Dry goods store and dwelling.	....	9	Two-story brick.	Recall 10.01 a.m.; explosion of coal-oil lamp.
Wedn'y	4	264	.....	10.48	610 N. Caroline st.	Harris Fogle.	Dwelling.	6, 9	.....	Two-story and attic brick.	Recall 11.48 p.m.; defective flue.
Thurs'y	5	326	11.38	.....	1538 Division st.	Albert Dorney.	Dwelling.	13	.....	Three-story brick.	Recall 11.57 a.m.; unknown.
Monday	9	175	8.25½	.....	231 Duncan alley.	Frank Hagerts.	Dwelling.	....	.....	Two-story and attic brick.	Recall 8.41 a. m.; explosion of can of gasoline.
Monday	9	213	.....	7.11	304 N. Gay st.	Charles Kerndel.	Bakery and dwelling.	....	.....	Three-story brick.	Recall 7.19½ p. m.; smoke from windows.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Tuesday 10	635	3.17	.....	N. E. cor. Fort ave. and Andre st.	John Schaefer.	Grocery store and dwelling.	12	6	Two-story brick.	Recall 4.27 a. m.; unknown.
Wedn'y 11	466	1.34	.....	2109 Wilhelm st.	Herman Eltermann.	Dwelling.	8, 10, 14	2	Two-story brick.	Recall 2.47 a. m.; unknown.
Wedn'y 11	365	11.50	.....	1010 Argyle ave.	Maggie O'Connor	Dwelling.	....	.....	Three-story brick.	Recall 11.59 a.m.; explosion of gasoline stove.
Thurs'y 12	35	11.47	.....	932–938 Linden ave.	J. Riddlemoser.	Livery stable.	1, 4, 6, 7, 8,	1, 2	Three-story brick.	Recall 3.46 p. m.;
2d alarm.		11.56					13, 15, 18	4		spontaneous com-
3d alarm.			12.01				3 Chem.			bustion.
Friday 13	35	8.09	.....	210 Chase st.	George Ireland.	Dwelling.	....	.....	Three-story brick.	Recall 8.21 a.m.; children playing with matches.
Friday 13	516	.....	3.27	....	....	....	....	.....	....	Recall 3.47 p.m.; false alarm.
Friday 13	249	.....	9.57	Monument, Grove &	Brush Electric	Electric light	1, 2, 3, 4, 5	1, 2	Four-story brick.	Recall 1.40 p. m.—
2d alarm.			10.05	Constitution sts.	Light Co.	works.	6,7,8,9,10	4, 5		14th; crossing of
3d alarm.			10.08				15			electric light wires.
Friday 13	316	.....	10.44	Madison and Buren	City of Baltimore	Jail.	11, 13, 18	3, 6	Two-story and attic stone.	Recall 1.41 p. m.—
2d alarm.			10.56	streets.						14th; spark from preceding fire.
Satur'y 14	123	8.27	.....	Smith's wharf, foot Gay st.	National Lime & Cement Co.	Lime shed.	16	3	One-story frame.	Recall 10 a. m.; slaking lime.
Sunday 15	236	12.59	.....	N. W. cor. Fairm't & Collington aves.	Fairmount Ind. M. E. Church.	Church.	5	3	One-story frame.	Recall 2.23 a. m.; unknown.

Sunday 15	238	.....	8.25	1431 and 1433 Prospect lane.	Joseph Holbrook. George Kramer.	Dwelling.	6, 9	5	Two-story and attic brick.	Recall 9.27 p. m.; defective flue.
Tuesday 17	356	7.20	.....	708 Bolton st.	Howard Harring.	Dwelling.	13	.....	Three-story brick.	Recall 7.41 a. m.; unknown.
Tuesday 17	153	8 24	.....	1507 Bank st.	August Wagner.	Provision store and dwelling.	.....	.....	Three-story brick.	Recall 8.39 a. m.; explosion of can of gasoline.
Tuesday 17	532	10.13	.....	Little Greene, st., near Barre.	George Parks.	Gasoline wagon	2	.....	Wagon with gasoline tanks.	Recall 10.30 a. m.; incendiary.
Wedn'y 18	23	.....	7.11½	1403 N. Spring st.	M. Ulrich. R. Brooks.	Stable and dwelling.	6, 9	3	Two and three-story brick.	Recall 8.18 p. m.; unknown.
Thurs'y 19	281	4.50	.....	Mine Bank lane, Annex.	T. Wachsmith.	Dwelling.	6 Chem.	5	Two-story brick.	Recall 5.28 p. m.; explosion of coal-oil lamp.
Thurs'y 19	541	9.44	.....	808 S. Eutaw st.	James Rosell.	Dwelling.	2	.....	Three-story brick.	Recall 10 p. m.; overheated stove-pipe.
Thurs'y 19	441	.....	11.28	29 E. Baltimore st.	Geo. W. Kirwan.	Gents' furnishing store.	4, 15	.....	Three-story brick and stone.	Recall 12.52 a. m.—20th; unknown.
Friday 20	362	12.37	.....	724 Bradley st.	Joseph Ganz.	Dwelling.	.....	.....	Three-story brick.	Recall 12.46 a. m.; unknown.
Satur'y 21	514	8.38	.....	413 W. Pratt st.	Darby & Co.	Candy factory.	15 Chem.	2.....	Four-story brick.	Recall 8.53 a. m,; overheated stack.
Sunday 22	151	11.11	.....	.....	.....	.....	.....	.....	.....	Recall 11.35 a. m.; false alarm.
Monday 23	5	10.43	.....	.....	.....	.....	.....	.....	.....	Recall 10.53 a. m. false alarm.
Tuesday 24	218	5.19	.....	719 E. Fayette st.	David Karpolosky.	Dwelling.	.....	1	Three-story brick.	Recall 5.31 a. m.; explosion of gasoline stove.
Tuesday 24	434	.....	1.55½	1242 W. Lombard street.	Lawrence Stock.	Grocery store and dwelling.	14	2	Three-story brick.	Recall 2.18 p. m.; leaking gasoline taking fire.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Thurs'y 26	431	.....	9.34	765 W. Pratt st.	Henry Hughes.	Dwelling.	10	2	Three-story brick.	Recall 9.47 p. m.; unknown.
Friday 27	526	11.27	.....	118 Dover st.	Ignatius Yagela.	Saloon and dwelling.	2	6	Three story brick.	Recall 11.34 a. m.; upsetting of gasoline stove.
Friday 27	151	.....	3.09¼	.....	.....	.....	.....	.....	.....	Recall 3.18 p. m.; false alarm.
Satur'y 28	438	10.15	.....	832 King st.	Dennis M. Cully.	Dwelling.	.....	.....	Three-story brick.	Recall 10.27½ a. m.; children playing with matches.
Satur'y 28	526	.....	10.25	200 W. Camden st.	Kate Phillips.	Saloon and dwelling.	.....	.....	Three-story brick.	Recall 10.34 p. m.; explosion of coal-oil lamp.
Sunday 29	635	.....	6.48½	1400 Towson st.	Conrad Vzril.	Grocery store and dwelling.	12	6	Two-story brick.	Recall 7.15 p. m.; overheated stove.
Sunday 29	48	.....	10.45	2 Calverton road, Annex.	Louis Lanman.	Dwelling.	14 1 Chem.	2, 8	Three-story brick.	Recall 12.01 a. m.—30th; unknown.
Tuesday 31	532	7.54	.....	S. W. corner Barre and Warner sts.	City of Baltimore.	Primary School No. 12.	2	6	Two-story brick.	Recall 8.08½ a. m.; overheated stove.
Tuesday 31	244	.....	3.44	827 McKim st.	Patrick Quinn.	Dwelling.	.....	.....	Three-story brick.	Recall 4 p. m.; burning chimney.
Tuesday 31	153	.....	10.21	1607 Canton ave.	Geo. Greensfelder	Cigar factory and dwelling.	.....	3	Two-story and attic brick.	Recall 10.37 p. m.; unknown.
Nov. Wedn'y 1	462	11.37	.....	1713 West Lombard street.	William Bruce.	Dwelling.	14	.....	Three-story brick.	Recall 11.50 a. m.; children playing with matches.

Wedn'y	1	392	.....	3.38½	407 W. 26th street. Annex.	Irene Harris.	Dwelling.	.....	.....	Two-story frame.	Recall 4.04 p. m.; explosion of gasoline stove.
Thurs'y	2	496	.....	6.12¾	10th st., n. of North Avenue, Annex.	.....	.....	.....	.....	Old dead tree.	Recall 6.32 p. m.; unknown.
Friday	3	541	1.15	.....	829 China street.	James Mason.	Dwelling.	2 15 Chem.	6	Two-story brick.	Recall 2.12½ a. m.; unknown.
Satur'y	4	516	.....	6.12	.....	.....	.....	.....	.....	.....	Recall 6.24 p. m.; false alarm.
Satur'y	4	873	.....	7.31	.....	.....	.....	.....	.....	.....	Recall 7.44 p. m.; automatic alarm; no fire.
Satur'y	4	51	.....	7.35	108–110 Light st.	The Gottschalk Co.	Distillery and liquor warehouse.	2, 3, 4, 15	1	Three and four-story brick.	Recall 11.23 p. m.; unknown.
Monday	6	413	1.29½	.....	10 Hanover street.	Meyer & Sapero.	Clothing store.	1, 2 15 Chem.	1, 2	Five-story brick.	Recall 2.15 a. m.; overheated stove.
Monday	6	291	.....	5.24	Barclay, near 6th st., Annex.	.....	.....	.....	.....	Shavings on open lot.	Recall 5.30 p. m.; incendiary.
Tuesday	7	52	.....	6.04	608 S. Sharp street.	Charles Romoser, Sr.	Dwelling.	2	6	Three-story brick.	Recall 6.35 p. m.; unknown.
Tuesday	7	14	.....	10.45	Lombard and Front streets.	.....	.....	3	.....	Barrel of pitch.	Recall 10.55½ p. m.; bonfire built by boys
Friday	10	526	.....	2.25	210 S. Sharp street.	Mart Kayris.	Tenement.	2	.....	Three-story brick.	Recall 2.33 p. m.; unknown.
Satur'y	11	534	5.35	.....	N. E. cor. Paca and Cross streets.	Fred'k Hellman.	Office and lime shed.	10	6	One-story frame.	Recall 6.33 a. m.; slaking lime.
Satur'y	11	818	9.15	.....	106 E. Baltimore st.	Sam'l Kirk & Son.	Silverware factory.	.....	.....	Four-story brick.	Recall 9.30 a. m.; friction of machinery.
Sunday	12	212	12.56	.....	617 E. Baltimore st.	S. Wohnan & Co.	Shirt factory.	.....	1	Four-story brick.	Recall 1.05 a. m.; unknown.
Sunday	12	23	.....	7.39	309 N. Caroline st.	Henry Newman.	Dwelling.	6, 9	3	Two-story and attic brick.	Recall 8.16 p. m.; unknown.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. Co's.	Style of Buildings.	Remarks.
Monday 13	616	5 09	.....	Foot of Winder st.	Henry Classen.	Brick-yards.	10, 12	6	One-story frame.	Recall 8.27 a. m.; overheated kiln.
Monday 13	412	.....	5.49	28 Hanover street.	Isaac M. Appel.	Shirt and overall factory.	1, 2, 3, 4, 6, 15	1, 2	Five-story brick and iron.	Recall 9.40 p. m.; unknown.
2d alarm.			5.51½							
3d alarm.			5 54½							
Tuesday 7	38	.....	6 33½	2110 Etting street.	Melvin Hall.	Dwelling.	13	4, 6	Two-story brick.	Recall 6.53½ p. m.; child upsetting coal-oil lamp.
Thurs'y 16	485	6.57	.....	209 Dorsey lane, Annex.	John Schlesinger.	Dwelling.	....	8	Two-story frame.	Recall 7.26 a. m.; sparks from stove.
Thurs'y 16	365	10.03	.....	563 Union street.	John L. Nelson.	Barber shop and dwelling.	....	4	Two-story brick.	Recall 10.39 a. m.; unknown.
Thurs'y 16	418	.....	12.15	309 W. Lexington st	V. P. Smith.	Dry goods store and dwelling.	....	.....	Three-story brick.	Recall 12.22 p. m.; smoke from windows
Thurs'y 16	38	.....	6.19	1542 Woodyear st.	Thomas Price.	Dwelling.	13	4	Two-story brick.	Recall 6.47 p. m.; unknown.
Friday 17	432	.....	10.54	900 W. Lombard st.	James Kelly.	Bakery and dwelling.	10	2	Three-story brick.	Recall 11.07 p. m.; overheated oven.
Satur'y 18	47	.....	8.30	40 N. Bruce st.	Sarah Cannon.	Dwelling.	14	.....	Two-story brick.	Recall 8.42 p. m.; unknown.
Satur'y 18	321	.....	11.59	....	....	....	....	.....	....	Recall 12.06 a. m.—19th; smoke from windows.
Sunday 19	425	10.36	.....	5 N. Poppleton st.	James Knox.	Dwelling.	....	.....	Three-story brick.	Recall 10.44 a. m.; defective flue.

Monday 20	466	.....	4.57	414 S. Smallwood st.	Geo. Hanneman.	Dwelling.	14	.....	Two-story brick.	Recall 5.12 p. m.; explosion of coal-oil lamp.
Tuesday 21 2d alarm.	13	.....	10.22 10.25	309 and 311 McEldery's wharf.	Mt. Airy Fertilizer Mfg. Co.	Fertilizer factory.	2, 3, 4, 5, 6, 15, 16	1, 2, 3	Four-story brick.	Recall 2.52 a. m.—22d; unknown.
Wedn'y 22	266	8.50	.....	612 N. Eden st.	Charles Sexton.	Dwelling.	9	5	Three-story brick.	Recall 9.14 a. m.; overheated stove.
Wedn'y 22	146	.....	11.23	211 President st.	James Bates.	Elevator factory.	3, 5	1, 3	Three-story brick.	Recall 1.26 a. m.—23d; unknown.
Thurs'y 23	214	10.27	.....	922 E. Baltimore st.	Gabriel Goldenberg.	Dry goods store and dwelling.	3, 4	1	Three-story brick.	Recall 11.50 a. m.; children playing with matches.
Thurs'y 23	383	.....	8.28	.....	.....	.....	.....	.....	.....	Recall 8.35 p. m.; false alarm.
Friday 24	15	.....	2.28	S.E. cor. Register st. & Snyders' court.	Solomon Kann & Co.	Storehouse for toys, &c.	3, 5, 11	3	Two-story brick.	Recall 3.30 p. m.; unknown.
Friday 24	373	.....	2.39	609 Sewell street.	Arthur Dietrich.	Dwelling.	13	.....	Two-story brick.	Recall 2.50 p. m.; unknown.
Friday 24	452	.....	9.47	102 N. Vincent alley.	Lucinda Johnson	Dwelling.	8, 14	4	Two-story brick.	Recall 10.30 p. m.; overheated stove.
Satur'y 25	61	.....	4.35	23 E. Lee street.	Mary Weber.	Saloon and dwelling.	2	6	Two-story and attic brick.	Recall 5.11 p. m.; explosion of gasoline stove.
Satur'y 25	142	.....	6.48	303 S. High street.	Abraham Siegman.	Dwelling.	3	3	Two-story and attic frame.	Recall 7.12 p. m.; explosion of gasoline stove.
Sunday 26	512	1.24	.....	16 W. Lombard st.	G. F. and J. K. Wysham.	Woodenware warehouse.	1, 2, 3, 4, 15 15 Chem.	1, 2	Three-story brick.	Recall 5.15 a. m.; unknown.
Monday 27	415	.....	12.07	N. E. Cor. Baltimore and Paca sts.	J. J. Landrigan.	Stationery store	1	2	Three-story brick.	Recall 12.18 p. m.; overheated furnace.
Monday 27	38	.....	2.30	N. E. Cor. Gold and Brunt sts.	Wm. H. Johnson.	Hay shed.	13	4	One-story frame.	Recall 2.58 p. m.; unknown.
Monday 27	381	.....	7.34½	1600 Vincent alley.	Henry Foster.	Dwelling.	13	.....	Two-story brick.	Recall 7.51 p. m.; unknown.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Monday 27	12	.....	9.52	23 and 25 S. Gay st.	Campbell & Zell Co., Ryland Brooks and others.	Office building.	1,2,3,4,5,6. 7,8,9,10,13 15 Chem.	1, 2 3, 5	Five-story brick and iron.	Recall 8.33 a. m.—28th; unknown.
2d alarm.			9.57							
3rd alarm.			10.12							
Monday 27	161	.....	11.26	1735 Canton ave.	Henry Mongerecht.	Dwelling.	11	6	Three-story brick.	Recall 2.29 a. m.—28th; unknown.
Monday 27	545	.....	11.34	1100 W. Cross st.	George Pfeiffer.	Saloon and dwelling.	12	4	Three-story brick.	Recall 12.01 a. m.—28th; defective flue.
Tuesday 28	291	.....	1.11½	2427 Barclay street, Annex.	Owen G. Beyer.	Dwelling.	3 Chem. 4, 5	5	Three-story brick.	Recall 2.23 p. m.; tinner's fire pot.
Wedn'y 29	261	7.11	.....	1115 Aisquith st.	Julius Dong.	Dwelling.	.....	5	Two-story brick.	Recall 7.41 a. m., defective flue.
Wedn'y 29	24	.....	9.18	432 Forrest st.	Eliza Steinmetz.	Dwelling.	6	.....	Three-story brick.	Recall 9.26 p. m.; boys setting barrel of benzine on fire.
Thurs'y 30	419	.....	4.46¾	325 N. Eutaw st.	J. Fleishman.	Millinery store.	.....	.....	Three-story brick.	Recall 4.56 p. m.; unknown.
Thurs'y 30	299	.... .	7.29	Lovegrove alley, near 21 st., Annex.	Henry P. Lucas.	Stable.	.....	.....	Two-story brick.	Recall 7.36 p. m.; explosion of gasoline lamp.
December.										
Friday 1	524	1.47	..... .	N. E. cor. Hanover st. & Welcome al.	Ansel Anmuh. Hebrew Congregation.	Church.	1, 2, 3, 4, 7 10, 15	1, 2 6	One-story brick and stone.	Recall 5.07 a. m.; unknown.
2d alarm.		2.09								
Satur'y 2	262	11.18	.....	109 N. Gay st.	John Bamberger.	Dwelling.	.....	.....	Three-story brick	Recall 11.23 a. m.; unknown.

Satur'y	2	183	.....	3.05	Hudson and Chesapeake streets.	City of Baltimore.	No. 24 Primary School.	11	3	Two story brick.	Recall 3.43 p. m.; kindling wood piled against stove.
Satur'y	2	436	.....	5.01	26 S. Paca street.	J. Dotterweich.	Saloon and dwelling.	1, 2, 3, 4,	1, 2	Three-story brick	Recall 12.10 a. m.—4th; unknown.
Gen. alarm			.....	5.04	28 S. Paca street.	Aug. Mencken & Bro.	Cigar factory.	5, 6, 7, 8, 9, 10, 11, 12,	3, 4	Four-story brick.	
					30 S. Paca street.	D. Langfeld & Co	Cloak factory.	13, 14, 15,		Six-story brick.	
					32 S. Paca street.	Deutsche Lithographic Co.	Lithographic establishment.	1 Chem. 2, 3, 15,			
						Frank Heisel.	Shoe factory.	W. T.			
						L. Juhn.	Underwear factory.	....	.....	Six-story brick.	
					34 S. Paca street.	M. S. Levy & Sons.	Hat factory.	....	.....	Two-story brick.	
					36 S. Paca street.	....	....	....	.....	Six-story brick.	
					38 S. Paca street.	....	....	....	.....	Six-story brick.	
					Green and Lombard streets.	University of Maryland.	Medical school.	.....	.....	Three-story brick	
					Green and German streets.	Hebrew Congregation.	Church.			Two-story brick.	
Satur'y	2	414	.....	5.19	....	....	....	....	.....	....	Recall 6.36 p. m.; box pulled for preceding fire.
Satur'y	2	416	.....	5.41	Green street south of Baltimore st.	Various parties.	Dwellings.	11, 13 2 Chem.	5	Two and three-story brick.	Recall 6.36½ p. m.; sparks from Paca-street fire.
Satur'y	2	361	.....	5.57	Pearl st. & Saratoga st., near Pine, & Pine street.	Various parties.	Dwellings, stores and club house.	1 Chem.	3	Two and three-story brick.	Recall 6.38 p. m.; sparks from Paca-street fire.
Sunday	3	61	10.35	... ...	527 S. Charles st.	F. W. Feldner.	Dwelling.	.....	.....	Three-story brick	Recall 10.51 p. m.; defective flue.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday	3	427	.....	5.35	.....	.....	.....	.....	.....	Recall 5.45 p. m.; false alarm.
Sunday	3	425	.....	11.59	946 W. Baltimore st	Benj. Andreas.	Dwelling.	14	.....	Three-story brick	Recall 12.10½ a. m.—explosion of gas governor.
Monday	4	542	9.19½	.....	524 W. West street.	Lawrence Dorsey.	Dwelling.	2, 10	6	Two-story brick.	Recall 9.47 a. m.; child playing with coal-oil can near stove.
Monday	4	153	.....	8.30	1422 Canton ave.	John Radwoski.	Dwelling.	.....	3	Three-story brick	Recall 8.59 p. m.; overheated stove.
Wedn'y	6	183	.....	7.58	2205-7 Hudson st.	Eugene Fischer.	Dyeing establishment.	5, 9, 11	3	Two-story brick.	Recall 1.54 a. m.—7th; unknown.
Thurs'y	7	394	10.28	.....	349 Cedar ave., Hampden, Annex.	Parkin S. Kerr.	Dwelling.	18 7 Chem.	9	Two-story and attic frame.	Recall 11.21 a. m.; unknown.
Friday	8	214	.....	5.13	1006 E. Fayette st.	Charles Cohen.	Dwelling.	4, 6	1	Three-story brick	Recall 5.49 p. m.; unknown.
Friday	8	354	.....	8.13	1308 Rutter street.	George Lane.	Dwelling.	.....	.....	Two-story and attic brick.	Recall 8.30 p. m.; smoke from windows.
Satur'y	9	545	.....	6.23¾	1100 W. Hamburg street.	James Hodges.	Stable.	.....	.....	One-story frame.	Recall 6.34 p. m.; unknown.
Satur'y	9	636	.....	7.30¼	1105 to 1111 Cooksie street.	Fritz Sauer. Adam Jacobsky. Fritz Raessler. Mrs. M. Sauers.	Dwellings.	2, 12	6	Two-story frame.	Recall 10.05 p. m.; children playing with matches.

Satur'y	9	23	.....	11.30	1405 E. Fayette st.	Wm. Theis.	Dwelling.	.....	.....	Three-story brick	Recall 11.44 p. m.; explosion of coal-oil lamp.
Sunday	10	348	11.42	.....	1701 Sherman place	John Carroll.	Dwelling.	.....	5	Two-story brick.	Recall 11.57 a. m.; overheated stove-pipe.
Wedn'y	13	395	.....	3.26	537 Falls road, Annex.	James Ross.	Dwelling.	7 Chem.	9	Two-story frame.	Recall 4.04 p.m.; coal-oil upset near furnace.
Wedn'y	13	168	.....	5.18½	N.E. cor. Aliceanna and Washington streets.	A. Weiskittel.	Iron foundry.	.....	.....	One-story brick.	Recall 5.26 p. m.; smoke from cupola.
Wedn'y	13	244	.....	5.50	878 McKim st.	Martha Saunders.	Dwelling.	.....	.....	Two-story brick.	Recall 5.59 p. m.; explosion of coal-oil lamp.
Wedn'y	13	214	.....	10.03	111 Chestnut st.	Benjamin Neilson	Dwelling.	1	.....	Three-story brick	Recall 10.24 p. m.; burning chimney.
Thur'y	14	393	.....	4.37	144 Chestnut ave., Hampden, Annex	Charles E. Byer.	Dwelling.	.....	.....	Two-story brick.	Recall 4.50 p. m.; smoke from windows.
Satur'y	16	145	12.15	.....	7 N. Eden st.	John Sturmfeltz.	Saloon and dwelling.	3	3	Two-story frame.	Recall 1.19 a. m.; unknown.
Satur'y	16	298	6.15	.....	Canton ave., near York road, Balto. Co., near Annex.	George Stagmyer.	Dwelling.	18 3, 4, 5 Ch.	7	Two-story brick.	Recall 8.10 a. m.; explosion of gasoline stove; Mrs. George Stagmyer burned to death.
Satur'y	16	315	.....	1.54½	Madison street and Plover alley.	Madison St. Colored Presbyterian Church.	Church.	4, 7	4	Two-story brick.	Recall 3 p. m.; overheated furnace pipe.
Sunday	17	161	12.50	.....	612 S. Ann st.	Barbara Jacobson	Grocery store & dwelling.	.....	3	Three-story brick	Recall 1.11 a. m.; light under shelving.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Sunday 17	214	.....	5.30	118 N. High st.	Alfred Malvin.	Dwelling.	3	1	Three-story brick	Recall 5.42 p. m.; explosion of coal-oil lamp.
Monday 18	142	2.46	.....	408 S. Eden st.	Fred W. Oelrich.	Stable & store-house.	3, 5, 11	3	Two-story brick.	Recall 4.33 a. m.; unknown.
Monday 18	28	7.14	.....	N. W. cor. Gay st. & Patterson Park avenue.	Frederick W. Hill	Paint store and dwelling.	9 6 Chem.	5	Two-story brick.	Recall 7.50 a. m.; explosion of coal-oil lamp.
Monday 18	26	.....	9.29½	810 N. Gay st.	E. Meyer.	Tailor store and dwelling.	6, 9	5	Three-story brick	Recall 10.16 p. m.; unknown.
Tuesday 19	373	4.35	.....	1377 Woodyear st.	Jacob Luby.	Grocery store & dwelling.	8, 13	4	Two-story brick.	Recall 5.52 a. m.; unknown.
Tuesday 19	471	.....	6.52¾	502 N. Fulton ave.	George R. Callis.	Dwelling.	8, 13, 14	4	Three-story brick	Recall 8.51 p. m.; lighted match under lounge.
Wedn'y 20	51	.....	6.38	114 E. Pratt street.	Chas. B. Kelly.	Saloon and dwelling.	2, 3, 4 15 Chem.	1, 2	Three-story and attic brick.	Recall 8.26 p. m.; unknown.
Friday 22	427	1.18	.....	123 Arch street.	John Adams.	Dwelling.	1, 8 15 Chem.	2	Two-story brick.	Recall 1.58 a. m.; unknown.
Friday 22	419	9.23¾	.....	233 to 237 N. Eutaw street.	A. Brager.	Dry goods and Notion store.	....	.....	Three-story brick.	Recall 9.30 a. m.; spark from furnace.
Friday 22	414	.....	12.40	300 W. Baltimore st.	A. Nachman.	Carpet store.	1 15 Chem.	1, 2	Four-story brick.	Recall 12.54 p. m.; unknown.
Friday 22	383	.....	1.50	2117 Druid Hill ave.	E. H. Eichelberger.	Dwelling.	13	.....	Three-story brick.	Recall 2.10 p. m.; unknown.
Sunday 24	134	.....	1.50½	325 Long Dock.	Luke Swift.	Grain store-house.	....	1	Three-story brick.	Recall 2.42 p. m.; defective flue,

Tuesday	26	292	1.27	.....	Old York Road and Jefferson st., Annex.	Chas. Kraemer.	Dwelling.	.....	.....	Two-story frame.	Recall 1.40 a. m.; lighted match dropped in straw.
Tuesday	26	267	.....	8.53	1819 N. Dallas st.	Thomas Clifford.	Dwelling.	.....	.....	Two-story brick.	Recall 9.13 p. m.; explosion of coal-oil lamp; Mrs. Maggie Clifford burned to death.
Wedn'y	27	132	5.37	.....	Foot of Dugan's whf	Unknown.	Scow loaded with cotton.	3, 4, 5, 6, 16	1, 3	Scow loaded with cotton.	Recall 10.27 a. m.; unknown.
Wedn'y	27	137	5.37½	.....	.....	.....	.....	.....	.....	.....	Recall 6.11 a. m.; box pulled for preceding fire.
Wedn'y	27	424	.....	1.12½	819 W. Mulberry st.	John H. Perry.	Dwelling.	1, 8, 13	2	Two-story brick.	Recall 2.16 p. m.; overheated stove.
Wedn'y	27	392	.....	6.56	810 W. Huntington avenue, Annex.	Joseph Calder.	Dwelling.	3 Chem.	.....	Two-story brick.	Recall 7.41 p. m.; burning chimney.
Thurs'y	28	394	2.32	.....	217 Roland avenue, Hampden. Annex.	Thomas Powers.	Stable.	7 Chem.	9	One-story frame.	Recall 3.06 a. m.; unknown.
Thurs'y	28	437	11.24	.....	617–619 W. Pratt st.	Ronemous & Co.	Tin sign factory.	.....	.....	Six-story brick.	Recall 11.31 a. m.; gas from fire-pot taking fire.
Friday	29	562	11.26	.....	1518 S. Charles st.	John F. Johnson.	Dwelling.	.....	6	Two-story brick.	Recall 11.45 a. m.; children playing with matches.
Friday	29	15	.....	1.11	1513 Gough street.	Wm. Hicks & Co.	Grocery store.	.....	.....	Three-story brick.	Recall 1.29 p. m.; smoke blowing down chimney.
Friday	29	151	.....	7.27½	130 S. Caroline st.	R. Montgomery.	Stable.	3	3	Two-story brick.	Recall 8.02 p. m.; unknown.
Satur'y	30	34	9.50½	.....	N. W. cor. Charles and Eager streets.	Wm. B. Ogden.	Dwelling.	.....	4	Three-story brick and stone.	Recall 10.40 a. m.; burning chimney.

Date.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Buildings.	Remarks.
Satur'y 30	51	39.59½	.....	130 W. Pratt street.	S. Steffniola.	Commission store and tenement.	15 Chem.	2	Three-story brick.	Recall 10.22 a. m.; spontaneous combustion.
39										
Satur'y 30	35	.....	6.22	893 N. Howard st.	John T. Webster.	Grocery store and dwelling.	7	4	Two-story and attic brick.	Recall 6.35 p. m.; electric-light wire.
Satur'y 30	152	.....	6.31½	229 S. Broadway.	M. A. Daiger.	Undertaking establishment and dwelling.	3, 5	3	Four-story brick.	Recall 7.52 p. m.; candle upset on table.
Satur'y 30	157	.....	9.53	1604 Lancaster st.	Anton Novicki.	Tenement.	3, 5	3	Three-story brick.	Recall 10.27 p. m.; lighted lamp under shelving.
Sunday 31	624	3.42	.....	214 W. Cross st.	H. F. Slaughter, Jr.	Saloon and dwelling.	.....	6	Three-story brick.	Recall 4.35 a. m.; unknown.
Sunday 31	455	4.23	.....	924 Harmony lane.	Clarence Dorsey.	Dwelling.	8	.....	Three-story brick.	Recall 4.44 a. m.; unknown.
Sunday 31	162	9.25	.....	732 S. Ann st.	Jacob Kolgkucht.	Tenement.	5	3	Three-story and attic brick.	Recall 10.09 a. m.; sparks from chimney.

REPORT

—OF THE—

SUPERINTENDENT

Police and Fire Alarm Telegraph.

REPORT.

BALTIMORE, January 1, 1894.

To the Honorable Board of Fire Commissioners·

GENTLEMEN:

Herewith is submitted my report of the extensions, alterations, and improvements made in this Department during the year ending December 31, 1893.

The monthly statement is as follows:

January—Nothing but ordinary work, such as changing wires, etc., was done during the month.

February—In February we were fortunate to have no trouble that would call for special mention.

March—Changed wires at Baltimore and North streets to clear electric railways, they paying for the change. Changed Box 121 to new pole put up by Western Union Telegraph Co. Changed 16 Box Circuit to new poles on York road furnished by Western Union. Changed 28 Box Circuit from York road to Old York road to get away from electric railways. Changed Box 614 to new pole. Put Fire Alarm Box 443 and gong in Maryland Electric Company's shops, at their expense. Put gong in Baltimore *Herald* office. Put four-pin cross-arms on pole corner Calvert and Pleasant streets.

April—Put gong in residence of Captain McGregor, of Salvage Corps. Changed route of No. 1 Alarm up Eutaw street to American District Telegraph Office, thence up Eutaw street to Fayette, to Paca, to No. 1 Engine House. Put gong in United States Electric Light Works, Holliday and Centre streets, at the expense of that Company. Extended wires from Brush Electric Light Works, along Monument Street to point designated. Put new box 45, Baltimore and Fremont streets; also Box 187, Baltimore and Montford streets.

May—Put box and gong in Maryland Electric Works, Pratt and Fremont streets. Moved gong and telephone in No 8 Engine House. Put gong and telephone in the residence of Commissioner May, Mount Vernon Place. Moved independent and telephone circuits, and put up five forty-foot poles on Carrollton avenue, between Lexington and Mulberry streets; one forty-five foot corner Carey and Lombard streets; two thirty-five foot on Smallwood street, between McHenry and Mary Ann streets; twelve thirty-five, two forty, and one fifty foot on Baltimore street between Calverton road and Garrison lane; twenty-eight, thirty-five and two forty-foot on Franklin street, between Fulton avenue and Calverton road; five thirty-five and one forty-foot on Calverton road, between Franklin and Bloomingdale roads; three thirty-five foot on Lafayette avenue, between Bloomingdale and Calverton roads; five forty-foot on Merryman's lane, between Roland and Cedar avenues; six forty-foot on Woodberry avenue, between Parkdale avenue and Northern Central Railway; sixteen forty-foot on Cedar avenue, between Third street and Cedar avenue bridge; fourteen forty-foot on Huntingdon avenue near

Remington avenue; six thirty-five foot on Riggs avenue, between Fremont and Carey streets; one forty-foot corner Lafayette avenue and Calhoun street; two forty and two forty-five foot at Charles street bridge; five thirty-five and two forty-foot on Twenty-fourth street, between Hampden avenue and Morton alley. Put gong in Lineman Durkin's residence. Put up five forty-foot poles on Morton alley, between Huntingdon avenue and Twenty-second street; four thirty-five and one forty-foot on Morton alley, between Oliver and Preston streets; one forty-foot corner Preston street and Hargrove alley; two thirty-five foot, Hickory avenue and Fourth avenue; two thirty-five foot, Fourth street and Roland avenue; two thirty-five and one forty-foot, Third street and Roland avenue.

June—Put new boxes 456, 466, 7, 712, 721, 187, 166, 73 in service. Changed 25 Box Circuits on Franklin road, between Fulton avenue and Calverton road, to new poles. Changed wires on Baltimore street, between Calverton road and Garrison lane. Overhauled all wires and took slack out on First avenue, Cedar avenue, Huntingdon avenue and Remington avenue. Changed Box 495 to new pole, and changed wires. Changed wires on Charles-street avenue near tollgate to new poles. Run two new copper wires from City Hall to Bayview Asylum.

July—Moved telephone and independent wires at No. 5 Engine-house. Moved telephone and independent wires at No. 6 Engine-house. Put gong in Captain Claiborne's residence. Other work does not require special mention.

August—Only ordinary repair work was necessary during the month.

September—Moved telephone and independent circuits at No. 4 Engine-house. Put gong in Assistant Chief Conway's residence. Placed gong in Red Line stables of the Baltimore City Passenger Railway. Run telephone and independent circuits to Chief Leddon's house.

October—Put Box 136 back to wharf of Bay Line steamers. Moved Box 441 to new pole put up by Brush Electric Light Co.

Only ordinary repair work was necessary during November and December.

CONDITION OF LINES.

The lines of this department continue to give first-class service. The wires are comparatively new, with the chances of their retaining their efficiency until they are discarded for the underground system.

ADDITIONAL BOXES PUT UP IN 1893.

187. Canton avenue and Luzerne street.
166. Fell and Wolfe streets.
456. Lexington street and Carrollton avenue.
466. Smallwood and Mary Ann streets.
7. Hampden avenue and Twenty-fourth street.
73. Erdman's avenue and Harford road.
712. Cedar avenue and Tyson's Mill.
721. Woodbury avenue and Parkdale avenue.

UNDERGROUND WIRES.

The importance of placing all wires, and more especially those of the Police and Fire Departments under the surface, has been dwelt on in my reports for so many years that I do not know what to say, except that time has not lessened the great importance of this improvement, but on the contrary, events happen every day, in this and other cities to impress its necessity upon us.

The press and public seem now to realize that overhead wires must go, and with such unanimity, that it rests only on the good judgment of the Mayor and City Council when and how it shall be done.

NEW ALARM BOXES.

Foot of West Falls avenue.
Gay street, between High and Front streets.
Baltimore and Liberty streets.
Eager and Washington streets.
Concord and Lombard streets.
North and Centre streets.
Mulberry and Paca streets.

ALARM BOXES IN ANNEX.

Several alarm boxes have been placed each year in this section of the city, but its rapid growth demands increased protection.

As resolutions are generally offered through the representatives of the Annex in the Councils, I withhold recommendations for their placement.

KEYLESS DOORS TO FIRE-ALARM BOXES.

Twenty additional keyless doors were placed in service during 1893. I understand in two cases during that period some person opened the box and thought the opening of the door sounded the alarm. If this were so, it does not lessen the value of the keyless doors, as there has hardly been a year during my service in the Department that the same has not occurred with boxes that must be opened by key.

The amount of property saved by the keyless door cannot be estimated, as the benefits are not known, while the errors are always recorded.

The increase of the number of these doors to such an extent as may be deemed advisable is recommended.

QUARANTINE LINE.

During the past summer several severe storms displaced the poles along the Curtis bay shore, and it will be necessary to rebuild that portion of the line. The small amount necessary to do the work is asked for in the estimate of expenses.

WATER BOARD LINE.

This line as far as we have control, (Lake Roland), is in good condition, but it should be made a metallic circuit over the entire route. As we have no control over the rest of the line, I can only suggest to the Water Board the importance of the improvement.

BAY VIEW LINE.

This line works well. A small amount is asked for its maintenance.

HOUSE OF CORRECTION LINE.

The usual amount for maintenance of this line is asked for in my estimate.

MATERIAL ON HAND IN BATTERY DEPARTMENT.

4 barrels of bluestone.
150 4-lb. zincs.
15 cells, Leclanche (Gonda) battery.
1 large scale.
2 copper scoops.
2 copper plates.
100 Gravity battery jars.
1236 cells, Gravity battery in service.
160 Leclanche (Gonda) in service.
18 Edison in service.

MATERIAL NECESSARY FOR 1894.

50 barrels of bluestone.
2000 4-lb. zincs.
1500 coppers.
150 cells, Leclanche (Gonda) battery complete.
200 packages sal ammoniac.
100 extra Leclanche zincs.
25 cells, Leclanche battery complete.
200 binding posts.

250 battery jars.
50 gallons Monarch oil.
2 gallons turpentine.
1 gallon hard oil.
3 rolls of gum tape.
2 wooden buckets.
15 pounds of waste.
50 feet of small hose.
1 box of soap.

MATERIAL ON HAND IN LINEMEN'S DEPARTMENT.

9 shovels.
5 scoops.
5 digging bars.
2 ramming bars.
2 cant hooks.
1 battery pike.
7 pike poles.
10 drawing knives.
2 chopping axes.
2 chisels.
2 hand axes.
2 saws.
3 screw drivers.
½ dozen bitts.
2 pipe tongs.
1 hammer.
100 feet Grimshaw wire.
5 pounds office wire.
20 caps.
½ gross of screws.
150 glass insulators.
25 4-pin arms.
20 2-pin arms.
5 backboards.
15 T arms.
25 bolts and washers.
15 pounds of nails.
3 straps and vises.
2 braces.
1 chisel.
2 monkey wrenches.
1 pair of shoes.
1 small truck.

MATERIAL NECESSARY IN LINEMAN'S DEPARTMENT.

500 4-pin cross-arms.
100 6-pin cross-arms.
100 2-pin cross-arms.
50 T arms.
2 doz. bot. watch oil.
50 backboards.
2 chisels.
½ doz. bitts.
10 miles copper wire.
2,000 feet Grimshaw wire.
200 lbs. office wire.
6 shovels.
6 pair plyers.
1,000 glass insulators.
6 rolls gum tape.
1 bench vise.
1 gasoline pot.
10 pike poles.
500 feet small rope.
300 pole brackets.
300 lbs. of nails.
1 keg of spikes.
50 lbs. of solder.
5 gals. linseed oil.
500 caps.
4 saws.
500 galvanized staples.
2 cant hooks.
2 gross screws.
100 rubber hooks.
200 Larke knobs.
2 braces.
1 pole truck.

And other material that cannot be anticipated.

MATERIAL FOR CENTRAL OFFICE.

2 office diaries.
3,000 sheets department paper.
3,000 department envelopes.
100 sheets emery paper.
1 box register paper.

ESTIMATE OF EXPENSES FOR 1894.

	Per Annum.
1 Superintendent	$3,000 00
4 Operators, $1,200 each	4,800 00
1 Chief Lineman	1,200 00
3 Assistant Linemen, $1,000 each	3,000 00
1 Batteryman	1,200 00
Total salaries	$13,200 00
Material, labor and general repairs	$3,000 00
Battery Department	2,900 00
Wear and tear of line	1,000 00
Electrical apparatus, (City Hall)	100 00
Feed and horse-shoeing	500 00
Overhauling fire-alarm boxes	2,500 00
House of Correction line	200 00
Water Board line	300 00
Bay View line	100 00
Marine Hospital line	300 00
Maintenance and repair of lines in Annex	1,000 00
2 horses for lineman department	600 00
Insurance for eleven men in telegraph department	78 65
	$25,778 65

EMPLOYEES OF THE DEPARTMENT.

Operators—Frank L. McAleese, James F. O'Mailey, Alexander Crummer, John J. McCoy.

Substitute Operator—Charles Prince.

Chief Lineman—John M. Nugent.

Assistants—Charles J. Hellings, John Durkin, Thomas Glass.

Batteryman—Robert Kain.

Thanks are tendered the members of the Police and Fire Departments for assistance rendered, and to the employees of this department for prompt and efficient discharge of their duties.

Yours respectfully,

CHARLES J. McALEESE,

Supt. of Police and Fire-Alarm Telegraph.

ANNUAL REPORT

OF THE

BOARD OF VISITORS

OF THE

Jail of Baltimore City

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

OFFICERS

—OF THE—

BALTIMORE CITY JAIL,

1893.

BOARD OF VISITORS:

HON. F. C. LATROBE, *Ex-Officio*,
JOHN RICHARDSON,
FRANK WHALEN,
HARRY F. TURNER,
HIRAM G. DUDLEY,
A. C. N. MATTHEWS,
AUGUST BERKEMEIER.

PRESIDENT OF THE BOARD:

JOHN RICHARDSON.

SECRETARY TO THE BOARD:

FRANK WHALEN.

WARDEN:

DANIEL CONSTANTINE.

COMMITTEES:

FINANCE:
MATTHEWS,
WHALEN.

REPAIRS:
BERKEMEIER,
TURNER.

DISCIPLINE:
RICHARDSON,
WHALEN,
BERKEMEIER.

SUPPLIES:
WHALEN,
DUDLEY.

SANITARY:
TURNER,
MATTHEWS.

REPORT.

BALTIMORE, January 1st, 1894.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

We beg to present for your consideration our report of the affairs of the City Jail for the year ending December 31, 1893.

In the Warden's report, with tabulated exhibits, you will find the receipts and disbursements; the number of prisoners committed, their offences and disposition.

We expended during the year $51,207.16, leaving in the Comptroller's hands $3,792.84, the unexpended balance of our appropriation of $55,000.

After carefully considering the cost of maintaining the Jail properly and effectively, we have concluded that an appropriation of $55,000 will be necessary for the work.

The sanitary condition of the institution during the past year has been highly satisfactory, for which due credit should be given to Dr. Hart, the visiting physician, and the Jail officials.

The Warden, Mr. Daniel Constantine, and his deputies, have enforced strict discipline during the year, keeping it up to the high standard of the previous year. The prisoners have performed, practically, all labor and ordinary repairs.

The roof of the south wing of the prison was destroyed by fire on the night of October 13, 1893. A temporary wooden roof is now used. It is highly important that a fire-proof roof should replace the temporary wooden one at an early date.

Respectfully submitted,

FERDINAND C. LATROBE, Mayor,
Ex-Officio Member.

JOHN RICHARDSON,
HIRAM G. DUDLEY,
A. C. N. MATTHEWS,
AUGUST BERKEMEIER,
H. F. TURNER,
FRANK WHALEN,
Board of Visitors.

REPORT OF THE WARDEN.

REPORT.

BALTIMORE, January 1st, 1894.

To the Honorable the Board of Visitors
of the Baltimore City Jail:

GENTLEMEN:

I have the honor to submit herewith my annual report of the operations and general conduct of the Baltimore City Jail, for the year ending December 31, 1893.

The number of prisoners committed for drunkenness and minor offenses was 8,341; for trial, 2,646; for House of Correction, 223; for House of Refuge, 2; for Industrial School for Colored Girls, 4; for House of Reformation, 14; for St. Mary's Industrial School, 2. Total for the year, 11,232.

The daily average of prisoners for the year was 496, an increase of the daily average over last year of 29. As set forth in my last annual report, we have not derived the advantages expected from the operation of the seven day law, the cause as stated then still exists, that is, that the different police justices, when prisoners of the tramp or habitual drunks species are brought before them, they do not know that the same party has been committed by one or more justices before, as for first offense, and the same penalty of seven days is imposed

upon him, when likely he has been committed for the same offense four times within the prescribed limits, which would subject him to a three months' sentence. I will repeat the suggestion, as in my last report, that the Act should be amended so that the Board of Visitors of the City Jail should be given the power to fix the time penalty, in accordance with the Act named; the justice fixing the fine. The experiment would be worth trying; the lengthened period of confinement of three months would give our zealous chaplains and their assistants longer periods of time to work upon, and work up any sense of manhood that might be left in them, which might probably lead to their reformation.

I will say in this connection that we are continually receiving children here as prisoners for trifling offences; and children committed to the House of Reformation are also sent here when first committed to be held until such time as the authorities are prepared to receive them at Cheltenham. It is safe to say that when the boy committed for court and the one committed for the House of Reformation have had their cases disposed of, they have learned considerable more vice than they knew when first committed. There is no remedy for it in this prison; it is impossible to entirely separate the children from the older prisoners. In the case of the colored children they might be sent from the committing justice directly to the reformatories. At present those sent here as peace-cases, or to await trial, have no place to go but the City Jail, which is very unfortunate. A place where all youthful first offenders could be sent and no others, would be a great addition to the already great reformatories of the State.

There was paid into the City Treasury the past year $7,236.21, an increase over 1892 of $675.22. In the amount paid in are included $1,865.26 on Beebes' contract due from 1892; from Baltimore county, for board of prisons, $17.00; from Charles county, for board of prisoners, $100.70; discount on bills, $17.60; United States docket, $428.00, leaving the net earnings paid into the City Treasury, $4,807.65. There is still due, which we expect to collect at an early date on Beebes' contract, $2,336.64; Baltimore county board of prisoners, $19.00; United States docket, $213.50; discount on bills, $19.80, which will make the earnings of the Jail for the year of 1893, $7,396.59, an increase over last year of $160.38.

The appropriation of the Mayor and City Council for the maintenance of the Jail for the fiscal year of 1893 was	$55,000	00
Of this there was expended for—		
Officers' salaries, physician, gardner and baker	26,839	77
Subsistance of prisoners	12,373	60
Private subsistance, hospital diet, board incidentals	2,178	92
Fuel and light	4,498	89
Hospital	448	45
Expense	1,763	83
Sanitary	938	41
Clothing and dry goods	2,165	29
	$51,207	16
Balance in Comptroller's hands	3,792	84
Total appropriation	$55,000	00
Amounts paid Comptroller derived from various sources	7,236	21

The annual cost of maintaining prisoners per capita was $103.24.

The annual cost per capita for food alone being $24.95; per day, 6$\frac{9}{7}\frac{1}{3}$ cents.

It will be seen by the figures above stated that the average cost of maintenance of prisoners per capita for the year was $103.24, and for food alone per capita was $24.95, which will be noticed is $10.93, and $3.10 less respectively than for the year of 1892. This is especially gratifying, as the prisoners have had at all times all they wanted in quantity, and the best of its kind. There has not been a solitary complaint from prisoners as to the quantity or quality of the provisions served. We have used the utmost care in preventing waste, which is liable where there is such a large number. The waiters, of course, are prisoners, and the frequent changes made in them by their coming and going at comparatively short intervals cause the officers to be extremely watchful to prevent waste. The best evidence attending the economical administration of the affairs of the Jail is that you have been enabled to return to the city treasury three thousand seven hundred and ninety-two dollars out of your appropriation. This, it seems, ought to be very satisfactory.

The prisoners, other than those working on contract, have been constantly employed at the various duties about the prison. The mechanics among the number have been utilized at their various trades—carpentering, bricklaying, painting, blacksmithing, tinning, machine work, pipe-fitting, and, in fact, all kinds of work

required to keep such an institution in repair and to keep up its good sanitary condition. We likewise make all the utensils used in the culinary department.

Among the most important of the improvements made was the erection of a steam disinfecting and cleaning plant in place of the old pickel boxes used heretofore. It is much more effective as a sanitary measure, and cleanses the clothes thoroughly.

We have made the prison much more secure by removing a portion of the old hospital building. We still have room enough for any purpose we may wish to use it.

We have made and put up eleven hundred and eighty-five feet of guttering, fourteen hundred and seventy-five feet of leading pipe, and one hundred and four elbows, and made and put up one large galvanized ventilator. Unfortunately, a considerable portion of this work was destroyed by the late fire.

What proved to be the most important addition made to the fire service of the Jail during this year was that made at the annex (female) department. It seems providential that we had it arranged just at the time it was used. We had the water there and all that was required was to adopt means to utilize it; we made connection with the stand-pipe already there and attached one hundred and fifty feet of hose to it, with a valve by which we could turn the water on in an instant. On the night of the late fire all we had to do was to run the hose out; we had water running through the hose in one minute. There is no knowing the calamity averted by

their use. The material in the wicker-works ignited a number of times and was quenched at once. If the wicker-works had caught fire at that time, and the other buildings, being built of inflammable material and nearly joining the penitentiary wall, there is no knowing what the result might have been. While on this subject I would suggest that a stand-pipe be erected from the basement of the main building up to the dome, with a valve at each floor, one in the chapel, and one in the dome, with hose attached. This would make the building entirely secure. There was a great deal of other necessary work done about the premises. The green-house was entirely renewed above the brick wall. All of the above work was done by prisoners. The building inspector furnishing the material.

Work Done in Female Department.

There was a large amount of work done in the female department the past year. There was washed 156,000 pieces of clothes. Overalls made, 835 pairs; shirts made, 805; bed ticks made, 212; sheets made, 175; pillow cases made, 255; woman's dresses made, 50; bed spreads made, 50; miscellaneous and repairs, 320.

The physician to the Jail, Dr. John B. Hart, reports the sanitary condition of the prison all that could be expected. The doctor has done all that laid in his power for the relief of the unfortunate inmates requiring his services.

The doctor's report shows 3,365 patients treated during the year. Of this number two died, Walter E. Boston,

colored, aged 21 years, died of consumption, and George P. Roseway died by hanging himself, aged 38 years, white. The physician's report attached herewith will furnish particulars.

In accordance with the powers vested in the Board of Visitors of the Baltimore City Jail by Act of the Legislature there was transferred from the City Jail to other institutions 39 persons.

I beg leave to submit for your consideration the following estimates for the fiscal year now commencing:

Salaries of officers	$ 27,000 00
Subsistance of prisoners	13,000 00
Private subsistance, hospital diet, etc	2,000 00
Fuel and light	7,500 00
Incidental expense	2,000 00
Sanitary	1,000 00
Clothing and dry goods	2,000 00
Hospital	500 00
	$ 55,000 00

We have made a number of improvements the past year for the betterment of the institution, and I would suggest that during the coming year we put some improved pavement in the basement of the different sections, both as a sanitary measure and to insure more complete cleanliness. A new pavement in the front yard would add much to its appearance.

And as a sanitary measure the plumbing arrangement should be changed in the tower rooms.

Accompanying this report you have statements:

Exhibit A, showing monthly average of prisoners.

Exhibit B, showing the number of prisoners committed for various causes.

Exhibit C, showing the number of prisoners and how discharged.

Exhibit D, showing the receipts and expenditures for the year.

I will also thank the officers of the institution for the valuable aid they have rendered me during the year in the conduct of the affairs of the prison. And in conclusion, I take this occasion, gentlemen, to thank you most heartily for the uniform kindness and encouragement you have extended me the past year. All of which is

Respectfully submitted,

DANIEL CONSTANTINE.

EXHIBIT A.

Showing the Monthly or Daily Average of Prisoners from January 1, 1893, to December 31. 1893.

1893.	
January	494
February	502
March	551
April	506
May	459
June	444
July	469
August	548
September	526
October	452
November	460
December	544
Total	5,955
Average for 1893	496
Daily average for 1892	467
Daily average for 1891	497
Daily average for 1890	522
Daily average for 1889	471
Daily average for 1888	452

Highest number in Jail during 1893 was 670—December 27.

Lowest number in Jail during 1893 was 352—October 15.

EXHIBIT B.

Showing the number of Prisoners Committed for various causes during the year ending December 31, 1893.

Crimes.	WHITE.			COLORED.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Peace and drunkenness	4,932	460	5,392	2,236	713	2,949	8,341
Larceny	674	31	705	568	175	743	1,448
Assault and battery	392	17	409	290	41	331	740
Assault to kill	63	.....	63	56	.....	56	119
False pretences	73	.....	73	18	2	20	93
Burglaries	55	2	57	19	.....	19	76
Embezzling	30	.....	30	7	.....	7	37
Forgery	24	.....	24	.....	.....	.....	24
Writing and selling policies	25	.....	25	30	2	32	57
Illegal registration	1	.....	1	3	.....	3	4
Violating pension laws	3	.....	3	.....	.....	.....	3
Violating internal revenue laws	6	.....	6	3	.....	3	9
Selling liquor on Sundays, etc	2	.....	2	.....	.....	.....	2
Deserting from ship-board	10	.....	10	2	.....	2	12

Perjury	.....	.....	.....	.....	.....	.....	.....
Bigamy	3	.....	3	.....	.....	.....	3
Common thief, etc	1	.....	1	.....	.....	.....	1
Keeping gaming-house	1	.....	1	1	.....	1	2
Witnesses, State and United States	60	2	62	8	5	13	75
Mutiny	3	.....	3	.....	.....	.....	3
Enticing minors for prostitution	8	2	10	2	.....	2	12
Receiving stolen goods	2	1	3	.....	.....	.....	3
Rape and attempt	3	.....	3	2	.....	2	5
Cruel treatment to seamen	2	.....	2	1	.....	1	3
Illegitimacy	.....	.....	.....	.....	.....	.....	.....
Passing counterfeit coin	10	.....	10	3	.....	3	13
Infanticide	.....	.....	.....	.....	1	1	1
Keeping opium joint	.....	.....	.....	.....	.....	.....	.....
Smuggling	1	.....	1	.....	.....	.....	1
Bastardy	1	.....	1	1	.....	1	2
Selling goods without license	2	.....	2	2	.....	2	4
Murder	13	1	14	5	.....	5	19
Suspicious characters	.....	.....	.....	.....	.....	.....	.....
Voting illegally, etc	7	.....	7	1	.....	1	8
Mayhem	.....	.....	.....	.....	.....	.....	.....
Harboring female minors	.....	.....	.....	.....	1	1	1
Arson	9	.....	9	.....	.....	.....	9
Criminal negligence	2	.....	2	.....	.....	.....	2
Indecent exposure	8	.....	8	.....	.....	.....	8

EXHIBIT B—Continued.

Crimes.	White.			Colored.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Indecent publication	.....	.....	.....	.....	.....	.....	.....
Violating postal laws	9	.....	9	1	2	3	12
Selling liquor without license	19	1	20	3	2	5	25
Sodomy	.....	.....	.....	.....	.....	.....	.....
Robbing post-office	1	.....	1	.....	.....	.....	1
Assaulting United States Deputy Marshal	2	.....	2	.....	.....	.....	2
Stowaways on steamer	10	.....	10	.....	.....	.....	10
Abduction	.....	.....	.....	1	.....	1	1
Default of security	2	.....	2	.....	.....	.....	2
Attempt to steal	.....	.....	.....	2	1	3	3
Carnal knowledge	4	.....	4	.....	.....	.....	4
Bribery	1	.....	1	.....	.....	.....	1
Robbing United States Mail	2	.....	2	.....	.....	.....	2
Attempting to pass counterfeit coin	.....	.....	.....	1	.....	1	1
Oleomargerine laws	4	.....	4	.....	.....	.....	4

EXHIBIT B—Concluded.

Crimes.	WHITE.			COLORED.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Gambling	5	.....	5	.....	.....	.....	5
Keeping Bawdy House	2	5	7	.....	12	12	19
Total	6,847	522	7,009	3,266	957	4,223	11,232

EXHIBIT C.

Showing the number of Prisoners Committed and how Discharged, for the year ending December 31, 1893.

Total number of prisoners committed.....			11,232
Sent to Maryland Penitentiary:			
White men.....	40		
" women.....	4		
		44	
Colored men.....	38		
" women.....	11		
		49	
Sent to Bay View Asylum:			
White men.....	2		
" women.....	1		
		3	
Colored men.....	1		
" women.....	1		
		2	
Sent to City Hospital:			
White men.....	4		
" women.....	1		
		5	
Colored men.....	3		
" women.....	0		
		3	
Sent to Industrial School for Colored Girls.....		4	
Sent to House of Refuge.....		2	
Died in Jail:			
White men.....	1		
Colored "	1		
		2	
Amounts forward.....		114	11,232

Amounts brought forward.....		114	11,232
Pardoned by the President of U. S.			
White men.....		2	
Pardoned by the Governor:			
White men.....		7	
Sent to Spring Grove Asylum:			
White men.....		3	
Sent to Maternite Hospital:			
White women.....		1	
Removed cases:			
White men.....		2	
Sent to House of Correction:			
White men.....	159		
" women.....	12		
		171	
Colored men.....	47		
" women.....	5		
		52	
Sent to House of Reformation for Colored Girls.....		14	
Sent to St. Mary's Industrial School.		2	
Discharged by Courts, Magistrates, expiration of sentences and otherwise.....		10,268	
Remaining in Jail December 31, 1893.		596	
			11,232

EXHIBIT D.

Dr.

Appropriation from Mayor and City Council.	$55,000 00
	$55,000 00

Earnings for the

Received from Chas. H. Beebe on contract work	$5,079 41
Received from U. S. Government, board for prisoners	1,955 50
Received from Charles county, board for prisoners	100 70
Received from Baltimore county, board for prisoners	17 00
Received for stowaways	10 00
Received for empty barrels	56 00
Received for discount on bills	17 60
	$7,236 21

EXHIBIT D.

Cr.

Officers' salaries, Physician, Gardener and Baker	$26,839 77
Subsistence of prisoners	12,373 60
Private subsistence, Hospital diet, etc	2,178 92
Fuel and light	4,498 89
Hospital	448 45
Expense	1,763 83
Sanitary	938 41
Clothing and dry goods	2,165 29
	$51,207 16
Balance in Comptroller's hands of 1893	3,792 84
	$55,000 00

year of 1893.

Paid to City Comptroller	$7,236 21
	$7,236 21

PHYSICIAN'S REPORT.

Hospital Department,

Baltimore, January 1st, 1894.

To the Board of Visitors Baltimore City Jail:

Gentlemen—I herewith enclose my report for the year ending December 31, 1893.

The Jail is in a good sanitary condition, as my report will show, there having been only two deaths—one suicide and one from consumption.

Permit me to again call your attention to the grave necessity of having wire screens along the tiers.

Two weeks ago I was hastily summoned to attend a woman who had jumped off the tier, and it is a wonder she escaped death.

The plumbing in the water-closet in the dormitory is defective, and needs attention.

I desire to express my thanks to the Warden and officers of the Jail for the assistance rendered by them during the year, and also to the Steward, who has been most faithful in the performance of his duties.

Respectfully submitted,

J. B. HART, M.D.,

Physician Baltimore City Jail.

ANNUAL REPORT FOR 1893.

From January 1, 1893, to December 31, 1893.

Alcoholism	850	Heartburn	1
Asthma	24	Insanity	6
Abscess	12	Intermittent Fever	1
Bubo	16	Disease of La Grippe	22
Boils	2	Lumbago	2
Blood Poisoning	5	Mania-a-potu	8
Bronchitis	83	Malaria	179
Burns	7	Morphine Habit	3
Bright's Disease	3	Nervous Debility	32
Coughs and Colds	261	Neuralgia	156
Chancroid	128	Necrosis	5
Constipation	181	Opium Habit	2
Conjunctivitis	43	Pneumonia	4
Consumption	7	Pleurodynia	23
Cramps	27	Pedicula Pubi	19
Catarrh	62	Pharyngitis	87
Cellulitis	101	Rheumatism	164
Dysentery	4	Ring Worm	1
Diarrhœa	53	Rupture	4
Dysmenorrhœa	8	Scabbies	25
Dyspepsia	16	Stricture	4
Dropsy	4	Sprains	93
Dog Bite	3	Syphilis	82
Erysipelas	5	Tumor	51
Eczema	6	Toothache	55
Epilepsy	6	Teeth Extracted	42
Earache	23	Ulcerated Throat	7
Frostbite	8	Ulcer	8
Felons	2	Uticaria	4
Fracture	11	Venerial Worts	51
Gonorrhœa	7	Wounds—incised, contused, larcerated, Gunshot	89
Gleet	128		
Hemorrhages	1		
Hemorrhoids	15		
Heart Disease	21		
Headache	2		
			3,365

SUMMARY.

White males	1,986
White females	327
Colored males	611
Colored females	441
Total	3,365

RESULT OF TREATMENT.

Cured	2,750
Relieved	612
Died	1
Suicide	1
Under treatment	1
Total	3,365

SENT TO BAY VIEW ASYLUM, ETC.

White males	2
White females	3
Colored males	0
Colored females	0
Total	5

DEATHS.

May 10*th.*—George P. Roseway, white, aged 38 years, committed suicide by hanging himself with a silk scarf to his cell door.

Nov. 8*th.*—Walter E. Boston, colored, aged 21 years, died of consumption.

Number of visits made during the entire year, 9,178.

ANNUAL REPORT

OF THE

TRUSTEES OF THE POOR

OF THE

CITY OF BALTIMORE,

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

OFFICERS OF THE INSTITUTION.

BOARD OF TRUSTEES:

JOSEPH FRIEDENWALD, *President.*

JOHN BLACK, *Secretary.* JOHN J. PENTZ,

SIMON I. KEMP, JOHN J. HOFFMAN,

IRA REMSEN, GEORGE A. BLAKE.

C. W. LEWIS..... Superintendent.
JOHN M. McELROY..... Purveyor.
JOHN R. HAMMETT..... Clerk and Storekeeper.
SUSANNA McCAHAN..... Matron.
JAMES J. FARRALL..... Engineer.
WILLIAM MONTGOMERY..... Assistant Engineer.
JOHN F. BARRENGER..... Gardener.
THOMAS CONNOR..... Messenger.
CHARLES JONES..... Baker.
PATRICK BUTLER..... Carriage Driver.

Medical Department:

DR. FRED'K S. CARUTHERS... Resident Physician.
DR. H. H. HAYDEN..... " "
DR. R. E. GARRETT..... { Resident Physician for Insane Department.
DR. JAMES A. WEST..... { Ass't Resident Physician for Insane Department.
JAMES A. TIERNEY..... Apothecary.

REPORT.

BAY VIEW, December 31st, 1893.

To the Honorable the Mayor and
City Council of Baltimore:

GENTLEMEN:

We have the honor to submit, in compliance with an ordinance of the Mayor and City Council of Baltimore, the within report of the operations and general condition of Bay View Asylum, during the year ending December 31st, 1893, and to accompany it with such remarks as may be pertinent for its continued good government.

It is with pleasure that we state the condition of the affairs of Bay View Asylum.

During the year the general working of the institution has been entirely satisfactory.

Its officers have been assiduous in the care of its inmates, and every comfort and kindness within their province has been extended to them.

The condition of those who seek shelter at this institution is, in most cases, pitiful; bereft of reason, suffering from sickness, or are in a hapless state from the infirmities of old age; besides, those who from want of

employment are necessitated to avail themselves of a sheltering home at Bay View during certain periods of the year.

It must be borne in mind that poverty is no crime; and we find it our duty, as trustees, not only to give them careful and humane treatment, but have trained the subordinate officers of the institution to extend to the unfortunates under their charge the kindest consideration.

It has been our experience that many who have received the benefits of the kind treatment of Bay View Asylum, have left its portals re-invigorated with health, and again become domiciled in our great city, where they have made homes for themselves and their families and became useful and good citizens.

We take occasion here to say that the public must recognize the great difference existing between the character and characteristics of the inmates of Bay View, compared with those of penal or reformatory institutions.

Ours are, for the most part, either mentally or physically enervated, or old and homeless; and are as much exempt from any vicious trait of character as the average citizen.

It affords us pleasure, indeed, to speak a kind word for them, and if possible to enlist public sympathy with their misfortunes.

We can attest to their general and uniform good behavior and the willingness of those who are able to assist in the general duties of the household, rendering cheerfully good service in the various departments, and nursing and sympathizing with kindness and compassion those suffering from sickness and disease. Indeed, many outside of Bay View might take object lessons of humanity *as* exists and *is* practiced among our inmates.

We again call your earnest attention to the condition and overcrowding of the Insane Department; having referred to this matter on previous occasions, it becomes our duty now to state that the evil still exists.

Since our last report the subject matter has been taken up by nearly all the prominent physicians of the State, at a convention held by them, who in their deliberations evinced great interest for the enlarged care of the insane of our State. This action has been supplemented by a committee, consisting of Prof. Remsen, Mr. John Black and Mr. Joseph Friedenwald, of the Trustees of Bay View, in connection with Dr. Hurd, Dr. Morris, Wilmot Johnson and Dr. Thom, who were unanimous in advocating enlarged facilities for the accommodation of the insane, and that their maintenance should be a charge to the State, and that the words pauper or poorhouse insane should be a thing of the past.

We call your attention to this subject most earnestly, and ask you to co-operate with us by appointing a committee, composed of His Honor the Mayor, and a number of members of both branches of the City Council to meet those other committees as above noted, at Annap-

olis upon a day which will be agreed upon, and there urge before the Legislature the claims of the unfortunate insane.

We look at this matter as all important, being in the line of the general advancement of the laws regulating the care, treatment and maintenance of the insane.

CHRONIC DEPARTMENT.

This is composed of old male and female patients, who are both homeless and friendless, their families having died out, and in some cases have been abandoned by those who should have taken charge of them and maintained them according to the dictates of ordinary humanity. We might add the words of reproach against those who have so inhumanely deserted in their old and enfeebled age those who have a natural right to claim their warmest affection.

The trustees in their charge of Bay View have continued to take special care of this department, and every comfort is afforded to those unfortunate inmates. They are as a class, who at certain periods of their life enjoyed the comforts of a home, the respect of their neighbors, and the affection of their families and friends. The sheltering roof of Bay View is now their last home. Any one visiting our institution cannot fail to observe their happy condition, nor forget the pleasant impressions made upon them.

HOSPITAL DEPARTMENT.

This department is under the direct control of the University of Maryland, and the College of Physicians

and Surgeons, and in addition there are two resident physicians, and two assistant resident physicians.

This department continues to do good work, and keeps pace with the general advancement of medical science. We take pleasure in saying that for skill and proper nursing the hospital department ranks equal to any other similar institution.

INSANE DEPARTMENT.

This department is under the care of Johns Hopkins Hospital, with Dr. R. E. Garrett, and his Assistant, Dr. James A. West as resident physicians.

The Lunacy Commission have frequently made flattering mention of its general management and favorably compared it to Spring Grove Asylum and other similar institutions.

Patients are well cared for, and are under very little restraint, and the general results of their treatment are very gratifying to the Board of Trustees.

FARMING OPERATIONS.

The results of the labor from the farm has measureably contributed to the maintenance of Bay View, and we have been enabled to furnish the inmates with vegetables for a good portion of the year, in sufficient quantities to which we attribute the general good health of the household.

INMATES.

There were remaining in the institution December 31, 1893	1,648
There were admitted during the year	3,937
There were born in the institution during the same period	12
Making a total of	5,597
The average number of inmates during the year, was	1,289 7/12

The amount drawn as per warrant upon the City Comptroller during the year, was	$97,297 36
The amount paid City Register	1,617 16
Actual amount expended	$98,914 52
Average number of inmates	1,289 7/12
Cost per capita	$74 19 15/32

FINANCIAL.

Exhibit No. 1 of this report will show the amount received and the source from whence it was derived during the year, as also the purpose for which it was expended.

The amount of the appropriation made by the city for the support of the institution for the year ending December 31, 1893, was $97,500. By reference to the aforesaid exhibit, it will be observed that of the amount appropriated, $97,297.36 was drawn from the City Treasury, and $1,617.16 was paid to the City Register from board of inmates, resident students, and for sale

of old material, such as rags, bones, barrels, etc., received; also returned to the City Treasury $202.64, amount of appropriation unexpended.

The amount drawn from the City Treasury has enabled the Trustees to meet and discharge all liabilities incurred by them in the management of the trust confided to them. The Trustees, owing to the increased number of inmates, find it necessary to ask for an appropriation of $105,000 for the year 1894.

The Board takes this occasion to thank Capt. C. W. Lewis, the superintendent, and Mrs. McCahan, matron, and their subordinates for the faithful discharge of their duties during the year.

We cannot close this report without especially mentioning the valuable services of the professors of the University of Maryland, the College of Physicians and Surgeons, and Johns Hopkins Hospital, all of whom have taken a most active interest in the work under their respective care.

FINANCIAL EXHIBIT FOR 1893.

Showing the amount received by the Trustees during the year terminating December 31st, 1893, the source from whence derived, and the purpose for which disbursements were made, and the amount expended.

Dr.			Cr.		
1893.			1893.		
Dec. 31—To amount received from City Comptroller on account of annual appropriation.....	$97,297	36	Dec. 31—By balance paid for supplies, embracing food, fuel, clothing, bedding and other necessaries.	$59,506	96
To amount received for sale of bones, grease, barrels, old iron, offals, etc..... ...	126	09	By amount expended on farm account, embracing provender for horses and cows, repair of carriages and wagons and harness, purchases and repairs of farm implements, shoeing animals, and such other expenditures as are properly chargable to farm account.....	5,376	36
To amount received from inmate boarders.....	1,289	37			
To amount received from board of resident students.....	75	00			
To amount received from sale of medicines....	24	20			
To amount received from sale of live stock....	102	50			

		By amount paid for hospital stores.....	3,835 78
		By amount paid for expenses incurred in repairs about the buildings and fences.....	6,884 60
		By amount paid for salaries and hire account.	20,403 66
		By amount paid Trustees per diem.....	1,290 00
		By amount paid City Register, as required by ordinance of the city	1,617 16
	$98,914 52		$98,914 52

FINANCIAL EXHIBIT FOR 1893—Continued.

RECAPITULATION.

Amount drawn from City Treasurer	$97,297 36
Amount paid City Register	1,617 16
Actual amount expended	$95,680 20
Average number of inmates	1,289 7/12
Cost per capita	74.19 16/32
Amount of appropriation	97,500 00
Amount expended	97,297 36
Amount unexpended remaining in City Treasury	$ 202 64

TABULAR STATEMENT

OF THE

SUPERINTENDENT,

MARKED A TO M,

FOR THE YEAR 1893.

TABLE A.

Showing the Number of Persons Admitted, Born, Discharged, Eloped and Died; also the Number Remaining at the expiration of each Month, for the Year ending December 31, 1893.

1893.	Admitted.	Born.	Discharged.	Eloped.	Died.	Remaining.
January.....	696	1	280	75	25	1,796
February	371	1	419	113	25	1,611
March	399	1	463	81	24	1,443
April	160	1	350	73	20	1,161
May	152	1	263	30	15	1,006
June	148	.....	161	14	16	963
July.....	220	2	111	17	14	1,043
August	188	3	137	11	15	1,071
September...	264	.....	154	15	14	1,152
October.....	310	.....	172	28	24	1,238
November...	448	2	206	26	20	1,436
December....	581	.....	315	28	28	1,648
	3,937	12	3,031	511	240	15,568

On the books December 31st, 1893.....	1,479
Total ingress.....	3,949
	5,428
Total egress.....	3,780
In the house December 31st, 1893.....	1,648

TABLE B.

Showing the Birthplace of Persons Admitted to the Almshouse from January 1, 1893, to December 31, 1893.

NATIVES.		FOREIGNERS.	
Almshouse	12	Germany	492
Baltimore	798	Ireland	1,100
Maryland	195	England	168
Pennsylvania	200	Scotland	69
New York	229	France	18
Delaware	24	Belgium	23
District of Columbia.	37	Austria	18
Massachusetts	38	Sweden	10
New Jersey	73	Canada	17
Rhode Island	16	Bohemia	15
Ohio	4	Poland	69
Tennessee	9	Switzerland	8
Connecticut	26	Italy	10
North Carolina	21	Denmark	3
South Carolina	7	Russia	26
Missouri	6	Wales	5
Maine	14	Australia	1
Kentucky	8	Norway	15
Virginia	98	West Indies	3
West Virginia	38	Chili	1
Illinois	12	Cuba	1
New Hampshire	2	Holland	2
Georgia	4		
Unknown	4		2,074
		Foreigners	2,074
		Natives	1,875
	1,875	Total	3,949

TABLE C.

Showing the Ages of Persons Admitted to the Almshouse from January 1, 1893 to December 31, 1893.

Under 1 year	16
From 10 to 20 years	92
20 " 30 "	1,315
30 " 40 "	1,370
40 " 50 "	431
50 " 60 "	395
60 " 70 "	200
70 " 80 "	107
80 " 90 "	14
90 " 100 "	5
Unknown	4
Total	3,949

TABLE D.

Showing the Period of Residence in the City of all Persons Admitted to the Almshouse from January 1, 1893, to December 31, 1893.

Born in the Almshouse	12
Born in Baltimore	797
Less than one week	238
One week and less than one month	436
One month and less than three	269
Three months and less than six	127
Six months and less than twelve	103
One year and less than two	167
Over two years	1,796
Period of residence unknown	4
Total	3,949

TABLE E.

Showing the Habits of Persons Admitted to the Almshouse from January 1, 1893, to December 31, 1893.

Intemperate adults	3,602
Temperate adults	251
Unknown	4
Children of intemperate adults	55
Children of temperate adults	37
	3,949

TABLE F.

Showing the Monthly Average of Persons in the Almshouse, from January 1st, 1893, to December 31st, 1893.

1893.	WHITE.			COLORED.			Total.	WHERE FROM.		Total.
	Men.	Women.	Children.	Men.	Women.	Children.		Natives of City and one year's Residence.	Elsewhere.	
January	1,128	333	13	110	97	4	1,685	1,042	643	1,685
February	1,135	336	12	113	99	3	1,698	1,022	676	1,698
March	1,017	339	11	111	98	2	1,578	956	622	1,578
April	696	341	12	96	98	2	1,245	928	317	1,245
May	556	339	13	89	94	3	1,094	865	229	1,094
June	451	337	12	78	90	2	970	794	176	970
July	494	340	11	71	88	3	1,007	823	184	1,007
August	514	348	12	77	95	4	1,050	840	210	1,050
September	580	349	12	73	94	1	1,109	866	243	1,109
October	648	357	11	75	91	1	1,183	906	277	1,183
November	779	362	11	87	91	2	1,333	1036	296	1,332
December	954	370	11	96	91	2	1,524	1328	196	1,524
Total	8,952	4,151	141	1076	1,126	29	15,475	11,406	4,069	15,475
Monthly Average	746	$345\frac{11}{12}$	$11\frac{9}{12}$	$89\frac{8}{12}$	$93\frac{10}{12}$	$2\frac{5}{12}$	$1,289\frac{7}{12}$	$950\frac{6}{12}$	$339\frac{1}{12}$	$1,289\frac{7}{12}$

TABLE G.

Showing the Number of Persons Committed to the Almshouse by Magistrates, and their Age, Sex, Color and Period of Commitment, from January 1, 1893, to December 31, 1893.

1893.	SEX AND AGE.			COLOR.			PERIOD OF COMMITM'T			
	Males over 21.	Females over 18.	Total.	White.	Colored.	Total.	Under 3 months.	3 to 6 months.	6 months and over.	Total.
January	3	2	5	3	2	5	4	.....	1	5
February	6	1	7	5	2	7	4	1	2	7
March	4	1	5	3	2	5	3	2	.....	5
April	2	1	3	2	1	3	1	2	.....	3
May	.....	.....	....	.....	.....	....	.....	.....	.....	....
June	1	1	2	1	1	2	.....	1	1	2
July	3	4	7	6	1	7	3	3	1	7
August	4	1	5	3	2	5	2	2	1	5
September	3	2	5	3	2	5	.....	5	.....	5
October	2	2	4	4	.....	4	1	3	.....	4
November	7	1	8	8	.....	8	5	2	1	8
December	6	2	8	4	4	8	2	4	2	8
Total	41	18	59	42	17	59	25	25	9	59

TABLE H.

Showing the Birthplace of Persons Committed to the Almshouse as Vagrants, etc., by Magistrates, from January 1st, 1893, to December 31st, 1893.

Natives.		Foreigners.	
Baltimore	22	Germany	8
Maryland	11	Ireland	11
Virginia	2	England	1
North Carolina	1	Poland	1
South Carolina	1		
New York	1	Foreigners	21
		Natives	38
	38		
		Total	59

TABLE I.

Showing Work Done by Inmates from January 1, 1893, to December 31, 1893.

21,364	days labor, at $1.00	$21,364 00
1,908	" washing and ironing, at 50 cts	954 00
2,364	" carpentering, at $1.50	3,546 00
274	" upholstering, at $1.50	411 00
658	" painting and glazing, at $1.50	987 00
334	" tinning, etc., at $1.50	501 00
124	" bricklaying, at $1.50	186 00
1,246	" tailoring, at $1.50	1,869 00
954	" cobbling, at $1.50	1,431 00
618	" blacksmithing, at $1.50	927 00
1,232	shirts made, at 12 cents	147 84
925	undergarments made, at 15 cents	138 75
678	frocks made, at 30 cents	203 40
837	pairs of drawers made, at 20 cts	167 40
58	pairs of stockings made, at 20 cts	11 60
504	aprons made, at 5 cents	25 20
16	infant's slips made, at 10 cents	1 60
463	bed ticks made, at 15 cents	69 45
368	bed sheets made, at 5 cents	18 40
42	window curtains made, at 10 cents	4 20
31	women's jackets made, at 20 cents	6 20
193	towels made, at 5 cents	9 65
73	slips made, at 20 cents	14 60
89	quilts made, at $1.50	133 50
100	spreads made, at 50 cents	50 00
217	pillow cases made, at 15 cents	32 55
298	pillow ticks made, at 5 cents	14 90
28	mosquito nets made, at 50 cents	14 00
Total		$33,239 24

TABLE K.

Showing the Quantity of Clothing Issued to the Inmates from January 1st, 1893, to December 31st, 1893.

1893.	Pairs of Shoes and Slippers.	Shirts.	Pairs of Men's Hose.	Trousers.	Vests.	Coats.	Jackets.	Hats.	Drawers.	Flannel Shirts.	Slips.	Dresses.	Women's Stockings.	Aprons.	Under Garments.	Women's Jackets.
January.....	180	224	317	76	54	48	....	15	30	7	121	26	65	30	30	....
February.....	154	238	186	58	49	34	.. .	18	68	57	132	56	18	33	60	1
March.....	110	289	274	71	45	40	....	23	49	19	....	56	103	15	118	....
April	177	298	162	90	59	56	....	27	83	4	....	29	53	35	205	4
May	133	236	86	43	19	10	5	39	22	3	12	43	22	37	59	7
June.....	86	213	76	36	3	23	....	18	30	....	10	96	106	60	26	....
July.....	76	261	112	66	38	32	....	78	146	....	132	87	24	31	47	8
August.....	30	177	93	50	2	2	....	25	49	..	33	54	96	2	70	3
September....	65	143	167	....	....	....	....	14	86	20	12	20	73	19	64	2
October.....	57	274	242	32	25	21	....	46	93	17	25	31	49	60	51	....
November....	75	141	227	30	16	18	19	32	85	38	...	32	64	13	86	6
December	89	175	317	32	18	20	....	30	96	26	347	148	....	159	109	7
Total.....	1232	2669	2259	584	328	304	24	365	837	191	824	678	673	494	925	38

TABLE L.

Showing the Number of Births and Deaths in each Month, also the Sex and Color, from January 1, 1893, to December 31, 1892.

1893.	BIRTHS.					DEATHS, ADULTS.				DEATHS, CHILDREN.			
	White Males.	White Females.	Colored Males.	Colored Females.	Total.	White Males.	White Females.	Colored Males.	Colored Females.	White Males.	White Females.	Colored Males.	Total.
January	..	..	..	1	1	11	7	4	3	..	..	..	25
February	..	..	1	..	1	12	3	8	1	1	..	..	25
March	..	1	..	..	1	15	2	6	1	..	..	..	24
April	..	..	..	1	1	8	2	6	4	..	..	..	20
May	1	..	..	..	1	5	3	4	3	..	..	..	15
June	..	..	..	..	..	9	2	5	..	..	..	..	16
July	..	..	2	..	2	6	6	1	..	..	..	1	14
August	3	..	..	..	3	6	1	3	4	1	..	..	15
September	..	..	..	..	..	8	3	2	1	..	..	..	14
October	..	.	..	..	..	10	3	8	3	..	..	..	24
November	1	..	..	1	2	6	6	5	3	..	..	..	20
December	..	..	..	..	..	12	8	5	2	..	..	1	28
Total	5	1	3	3	12	108	46	57	25	2	..	2	240

TABLE M.

Showing the Names, Quantity and Average Cost of Articles purchased for the Institution from January 1, 1893, to December 31, 1893.

A.

Apples, dried,	230 pounds,	at 5½ cts. per lb.
Apples,	16 barrels,	at $3.25 per bbl.
Alcohol,	12 gallons,	at $2.45 per gal.

B.

Brushes, shaving,	2½ dozen,	at 68 cts. per doz.
Brushes, dusting,	4 dozen,	at $3.75 per doz.
Brushes, scrubbing,	7 dozen,	at $1.50 per doz.
Brushes, whitewash,	4 dozen,	at $12.36 per doz.
Brushes, deck scrubs,	6 dozen,	at $5.00 per doz.
Brushes, sweeping,	3 dozen,	at $10.00 per doz.
Brushes, paint,	7 dozen,	at 35 cts. per doz.
Brushes, shoe,	4 dozen,	at $3.00 per doz.
Buckets, pulp,	43 dozen,	at $3.76 per doz.
Butter,	7,198 pounds,	at 23½ cts. per lb.
Brooms, corn,	36 dozen,	at $2.75 per doz.
Brooms, street,	½ dozen,	at $4.00 per doz.
Brooms, hickory,	5 dozen,	at $2.75 per doz.
Bricks, assorted,	7,400,	at $9.57 per M.
Buckwheat,	300 pounds,	at $2.40 per lb.
Bedticking,	4,918 yards,	at 12 cts. per yd.
Barley,	4,000 lbs.,	at $2.62 per bbl.
Bacon, shoulder,	41,794 lbs.,	at 8⅞ cts. per lb.
Bacon, S. C. shoulder,	4,254 lbs.,	at 11⅞ cts. per lb.

TABLE M—Continued.

Bacon, ham,	3,345 lbs.,	at 14⅞ cts. per lb.
Beef, corned,	1,272 lbs.,	at 6 cts. per lb.
Beef, roast,	5,400 lbs.,	at 9⅞ cts. per lb.
Beef, steak,	7,440 lbs.,	at 10¼ cts. per lb.
Beef, general house,	167,926 lbs.	at 3⅞ cts. per lb.
Beef, round,	3,714 lbs.,	at 8 cts. per lb.
Beans, white,	341 bushels,	at $1.72½ per bu.
Brogans,	432 pairs,	at 1.25 per pair.
Bran, middling,	57,000 lbs.,	at 1½ cts. per lb.
Bed spreads,	73,	at 90 cents each.

C.

Crackers, water,	809 pounds,	at 7 cents per lb.
Crackers, soda,	312 pounds,	at 8 cents per lb.
Candles,	60 pounds,	at 10 cts. per lb.
Cheese,	312 pounds,	at 13 cts. per lb.
Cornstarch,	680 pounds,	at 6 cents per lb.
Cornmeal,	8,600 lbs.,	at 1¼ cts. per lb.
Corn, ear,	198½ barrels,	at $2.60 per bbl.
Corn, chop,	42,383 lbs.,	at 1.08 per cwt.
Coal, Cumberland,	2,009$\frac{786}{2240}$ tn,	at 3.29⅞ per ton.
Coal, Sunbury,	200 tons,	at 5.45 per ton.
Coffee, Rio,	8,994 lbs.,	at 18½ cts. per lb
Coffee, Java,	1,288 lbs.,	at 26⅞ cts. per lb.
Coffee, essence,	2,081 lbs.,	at 4¾ cts. per lb.
Crash,	345 yards,	at 8½ cts. per yd.
Cakes, ginger,	1,221 lbs.,	at 6¾ cts. per lb.
Cakes, sugar,	998 pounds,	at 9¾ cts. per lb.
Cement,	14 barrels,	at $2.34 per bbl.
Charcoal,	200 bags,	at 40 cts. per bag.

TABLE M—Continued.

Construction account,		$1,647.70.
Chamois, skins,	8,	at 73 cents each.
Combs, dressing,	9½ dozen,	at 74 cts. per doz.
Combs, fine tooth,	28½ dozen,	at 58 cts. per doz.
Cotton bats,	450 pounds,	at 10⅞ cts. per lb.
Clothing, men's ready made,		$819.00.
Codfish,	200 pounds,	at 5 cts. per lb.
Cans, tin,	1,000,	at 3 cents each.

D.

Dress goods, calico,	1,931 yards,	at 8 cts. per yd.
Domestic plaid,	3,355 yards,	at 7⅓ cts. per yd.
Drugs (per contract),		$2,421.42.

E.

Engineer's stores and repairs,		$1,594.32.

F.

Flannel, for lining,	300½ yards,	at 6¾ cts. per yd.
Flannel, canton,	572 yards,	at 9 cts. per yd.
Flannel, red,	164 yards,	at 22¾ cts. per yd.
Flour, family,	51 barrels,	at $5.46 per bbl.
Flour, extra,	2,045 barrels,	at $3.54 per bbl.
Files, saw,	8 dozen,	at 73 cts. per doz.
Furniture, etc ,		$428.09.
Farm account,		$1,746.01.

TABLE M—Continued.

G.

Glass, window,	8 boxes,	at $2.66 per box.
Glass and queensware,		$87.03.
Glue,	53 pounds,	at 18 cts. per lb.
Grain feed,	4,651½ bush.,	at 8 cents per bu.

H.

Hose, women's,	63 dozen,	at $1.15 per doz.
Hose, men's,	186 dozen,	at 86 cts. per doz.
Hops,	190 pounds,	at 35 cts. per lb.
Hay,	44 1/2 6/0 2/0 4/0 lbs.,	at $15.50 per ton.
Hominy,	61 barrels,	at $3.00 per bbl.
Hardware,		$269.28.
Harness and repairs,		76.70.
Herrings, salt,	13 barrels,	at $4.65 per bbl.
Hats,	85 dozen,	at $2.25 per doz.
Handkerchiefs,	18 dozen,	at 78 cts. per doz.

I.

Ice,	79¼ tons,	at $4.58 per ton.

L.

Live stock,		$305.00.
Leather, sole,	919¾ pounds,	at 26 cts. per lb.
Leather, calfskins,	13,	at $2.38 each.
Lard,	1,016 lbs.,	at 11 cts. per lb.
Lime, whitewash,	60 barrels,	at $1.00 per bbl.

TABLE M—Continued.

Lime, chloride of,	850 pounds,	at 4 cents per lb.
Lumber, assorted,		$1,510.39.
Lead, white,	1,225 lbs.,	at 7 cents per lb.

M.

Muslin, striped shirtings,	4,492 yards,	at 6⅔ cts. per yd.
Muslin, brown,	8,243 yards,	at 6¼ cts. per yd.
Men's wear,	1,791 yards,	at 22½ cts. per yd.
Matches,	129 gross,	at 78 cts. per gr.
Malt, ground,	9 bushel,	at $1.10 cts. per bu.
Mutton,	31,550 lbs.,	at 3½ cts. per lb.
Molasses,	989 gallons,	at 17 cts. per gal.
Meal, flaxseed,	183 pounds,	at 2 cents per lb.
Miscellaneous,		$5,944.83.
Mackerel,	3 barrels,	at $20.66 per bbl.

N.

Notions,		$331.00.

O.

Oats,	1,090 bus.,	at 42⅞ cts. per bu.
Oil, lard,	211½ galls.,	at 78⅞ cts. per gal.
Oil, gasoline,	350 barrels,	at $4.36 per bbl.

P.

Pies,	2,500,	at 6 cents each.
Paints, etc.,		$249.40.
Putty,	275 pounds,	at 3 cents per lb.

TABLE M—Continued.

Plaster, ground,	6 barrels,	at $1.80 per bbl.
Peas, green,	63 bushels,	at 1.33¾ per bu.
Potatoes,	2,054½ bus.,	at 88⅔ cts. per bu.

R.

Rice,	6,066 pounds,	at 3¼ cts. per lb.
Repairs in general,		$1,663.08.

S.

Slip stuff,	1,037¼ yards,	at 14 cts. per yd.
Spectacles,	7 dozen,	at $2.50 per doz.
Starch, laundry,	425 pounds,	at 3¾ cts. per lb.
Soap, ivory,	1 box,	at $4.00 per box.
Soap, rosin,	10,074 lbs.,	at 3½ cts. per lb.
Soap, white,	8,054 lbs.,	at 5½ cts. per lb.
Shoes, men's,	664 pairs,	at $1.26 per pair.
Shoes, women's,	300 pairs,	at 98 cts. per pair.
Slippers, women's,	240 pairs,	at 67 cts. per pair.
Slippers, men's,	160 pairs,	at 60 cts. per pair.
Shoe findings,		$9.20.
Shoe laces, leather,	18 gross,	at 58 cts. per gross.
Shoe laces, linen,	16 gross,	at 65 cts. per gross.
Shoe blacking,	3 dozen,	at 50 cts. per doz.
Salt, fine (sacks),	214 bushels,	at 33 cts. per bu.
Salt, G. A. (sacks),	175 bushels,	at 19 cts. per bu.
Sugar, brown,	18,301 lbs.,	at 3¾ cts. per lb.
Sugar, white,	12,490 lbs.,	at 5½ cts. per lb.
Shoeing and repairs,		$389.53.
Spices,		$75.76.

TABLE M—Concluded.

Sal soda,	750 pounds,	at 1⅛ cts. per lb.
Surgical instruments,		$149.33.
Suspenders,	7 dozen,	at $2.15 per doz.
Skirting,	3,516½ yards,	at 10⅞ cts. per yd.

T.

Tea, G. P.,	327 pounds,	at 50 cts. per lb.
Tea, imperial and black,	1,575 pounds,	at 27½ cts. per lb.
Tobacco,	5,562½ lbs.,	at 21¾ cts. per lb.

V.

Vinegar,	466 gallons,	at 8 cts. per gal.

W.

Whiskey, dispensary,	424 gallons,	at $1.85 per gal.
Wood, pine,	8 cords,	at $3.50 per cord.

Y.

Yeast Powder,	10 gross,	at $13.50 per gross.

REPORT OF THE ENGINEER.

BAY VIEW ASYLUM, January 1, 1894.

To the Honorable Board of Trustees:

GENTLEMEN:

I herewith present this my Annual Report of the Institution as engineer for the year ending December 31, 1893.

Very respectfully,

JAMES J. FARRELL,

Engineer.

Total Amount of George's Creek Coal consumed, and by what Department of the Institution.

Departments.	Lbs.	Tons.	Lbs.
Tubular Boilers.....	4,096,990	1,829	30
Blacksmith Shop.....	10,620	4	1,660
	4,107,610	1,833	1,690

Total Amount of Sunbury Coal consumed, and by what Department of the Institution.

Departments.	Lbs.	Tons.	Lbs.
Centre House kitchen.....	89,540	39	2,180
Matron's kitchen.....	48,100	21	1,060
Ironing room.....	34,040	15	440
Bake house.....	85,160	38	40
Annex hospitals.....	108,180	48	660
Insane hospitals.....	55,240	24	1,480
Main gate.....	12,960	5	1,760
East gate.....	9,450	4	490
West gate.....	7,980	3	1,260
Carpenter shop.....	10,860	4	1,900
	461,510	201	11,270

George's Creek coal on hand Dec. 31, 1893.....180 tons.
Sunbury coal on hand Dec. 31, 1893..... 95 tons.

JAMES J. FARRELL, *Engineer.*

REPORT OF THE GARDENER.

BAY VIEW ASYLUM, January 1, 1894.

To the Honorable Board of Trustees:

GENTLEMEN:

Permit me most respectfully to present this my Annual Report as Gardener of this Institution for the year ending December 31, 1893.

Very respectfully,

JOHN F. BARRANGER,

Gardener..

Articles.	Bush.	Doz.	Bunch	Lbs.	Gals.	Tons.	No of.	Prices.	Totals.
Cabbages							10,982	$4 00	$439 28
Tomatoes	1,232							50	616 00
Potatoes	692							50	346 00
Oyster plants			903					5	45 15
Green corn		91						15	13 65
Turnips	701							50	350 50
Carrots	429							50	214 50
Parsnips	373							50	186 50
Celery			3,258					10	325 80
Cucumbers							10,056	25	25 15
Radish			1,243					3	37 29
Green peas	238							75	178 50
String beans	221							50	110 50
Lima beans	128							70	89 60
Leeks			517					3	15 51
Parsley			5,409					1	54 99
Onions (spring)			7,990					4	319 60
Onions	216							50	108 00
Onions (sets)	30							5 00	150 00

Broccoli	30							50	15 00
Lettuce							1,164	5	58 20
Thyme			6,020					2	120 40
Sage			287					2	5 74
Beets			2,048					4	81 92
Beets	55							75	41 25
Pepper, red	3							2 00	6 00
Gumbos	60							50	30 00
Horse radish				182stlks				10	18 20
Lard				2,100				12½	262 50
Timothy hay						8		14 00	112 00
Spinach	30							50	15 00
Pork				7,812				11	859 32
Pigs							41		93 50
Sand						200loads		50	100 00
Ice						1,000		2 50	2,500 00
Butter				2,615				25	653 75
Milk					20,883			16	3,341 28
Cream					17			30	5 10
Eggs		1,232						16	197 12
Sprouts	205							25	51 25
Total									$12,194 05

REPORT OF THE BAKER.

BAY VIEW ASYLUM, January 1, 1894.

To the Honorable Board of Trustees:

GENTLEMEN:

Permit me most respectfully to submit my Annual Report of flour used and loaves of bread baked for the year ending December 31, 1893.

Very respectfully,

CHARLES JONES,

Baker.

Flour received		2,186 bbls.
Loaves of bread baked	529,523	
Loaves of bread sent to the store	528,488	
Loaves on hand January 1st, 1894	1,035	

REPORT

—OF THE—

Medical and Surgical Departments.

Bay View Hospital.

Resident Physicians:

H. H. Hayden, M.D. F. Caruthers, M.D.

Assistant Resident Physicians:

Sylvan H. Likes, M.D. Milton R. Walter, M.D.

Visiting Staff.

Physicians:

Thomas S. Latimer, M.D.
George J. Preston, M.D.
F. C. Bressler, M.D.
C. Hampson Jones, M.D.
Joseph T. Smith, M.D.
H. J. Berkley, M.D.
William J. Jones, M.D.
William B. Canfield, M.D.

Surgeons:

Charles F. Bevan, M.D.
J. W. Chambers, M.D.
J. H. Branham, M.D.
William F. Smith, M.D.
J. Holmes Smith, M.D.
John G. Jay, M.D.
J. R. Trimble, M.D.
Frank Martin, M.D.

Obstetrician:

J. Edwin Michael, M.D.

Gynecologist:

Thomas Opie, M.D.

Pathologists:

N. G. Kierle, M.D. Charles W. Mitchell, M.D.

Report of Resident Physicians.

BAY VIEW ASYLUM, December 31, 1893.

To the Honorable President and
Members of the Board of Trustees:

GENTLEMEN:

We have the honor to submit the following as the Annual Report of the Medical and Surgical Department of this institution for the year ending December 31, 1893.

By the accompanying statement it will be seen that there were treated in various wards from January 1, 1893, to January 1, 1894, 3,108 cases.

While this statement includes a number of cases treated in the sleeping-rooms, chronic wards and dispensary, it does not include many hundred cases prescribed for, but of too trivial a nature to merit actual hospital treatment.

Considering the broken-down constitution of the class of patients we receive for treatment, the mortality record compares favorably with other and similar institutions.

Owing to the improved hygiene of the institution, and the absence of epidemics, except la grippe, which

was quite prevalent during the winter months, the general health of the inmates has been very good.

We desire to express our indebtedness to the superintendent, matrons and other officers of the institution for their many acts of kindness.

To the visiting staff of medical officers who have so ably and conscientiously guided and directed our efforts in the treatment and management of the sick we extend our deepest gratitude.

To Doctors Walter and Likes, our very competent assistants, we extend our heartfelt thanks for the able and conscientious manner in which they have performed their duty; also to our druggist, James A. Tierney, to whom we are under obligation for valuable assistance.

Thanking you, gentlemen, for the kind consideration and the prompt action you have always given to any measure advised by us for the relief of those under our care,

We are, respectfully yours,

F. CARUTHERS,
H. H. HAYDEN.

MEDICAL AND SURGICAL STATISTICS.

Medical Diseases.

Classified according to the nomenclature as published by the Royal College of Physicians, of London, and American Medical Association.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
General Diseases.						
A.						
Anæmia, idiopathic	2	1	....	1	....	....
" simple	14	12	....	....	....	2
" symptomatic	11	11	....	....	....	....
Erysipelas, facial	13	12	....	....	1	....
" of leg	9	9	....	....	....	....
" cellulo-cutaneous	1	1	....	...	....	....
Fever, intermittent	95	92	....	....	....	3
" ephemeral	1	1	....	....	....	....
" remittent	8	6	....	....	....	2
" typhoid	14	9	....	....	3	2
Rubeola	7	7	....	....	....	....
Septicæmia	1	1	....	....	....	....
B.						
Malarial cachexia	16	14	2	....	....	....
Alcoholism	22	21	....	....	....	1

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Colica, pictonum	2	2	....	....	....	....
Delirium tremens	5	5	....	....	....	....
Malingering	5	....	....	5	....	....
Opium poison	2	2	....	....	....	....
Rheumatism, acute articular	32	24	4	2	....	2
Rheumatism, sub-acute	51	38	6	1	....	6
" gonorrheal	5	....	4	1	....	....
" syphilitic	12	5	5	1	....	1
Senility	8	....	....	4	3	1
Diseases of the Circulatory System.						
Aneurism, aortic	3	....	....	3	....	....
" abdominal	1	....	....	1	....	....
" innominate	1	....	....	....	1	....
" carotid	1	....	....	1	....	....
Angina pectoris	2	....	2	....	....	....
Apoplexy	25	....	8	....	16	1
Arterio, sclerosis	11	....	....	11	....	....
Endocarditis	3	....	1	....	2	....
Heart, aortic stenosis	38	....	17	11	5	5
" " regurgitation	20	....	7	11	1	1
" mitral stenosis	4	....	....	2	1	1
" " regurgitation	47	....	11	15	11	10
" tricuspid "	1	....	....	1	....	....
" fatty degeneration	1	....	....	....	1	....

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Pericarditis	2	....	....	....	2	....
Thrombus cerebral	2	....	....	....	2	....
Diseases of the Respiratory System.						
Asthma	28	....	21	7	....	....
Bronchitis, acute	67	61	...	....	2	4
" sub-acute	45	45	....	....	....	....
" chronic	18	....	15	2	1	....
Emphysema	4	....	....	3	1	....
Empyema	1	....	....	....	1	....
Gangrene of lung	3	....	....	....	3	....
Influenza	57	45	....	....	2	10
Laryngitis, sub-acute	8	7	....	....	....	1
" chronic	5	....	3	1	....	1
Pleurisy, acute	29	22	6	....	....	1
" chronic	7	....	2	3	....	2
Pneumonia, catarrhal	7	3	....	....	4	....
" lobar	61	36	....	....	19	6
Pyo-pneumothorax	1	....	....	1	....	....
Phthisis pulmonalis	142	....	30	40	49	23
Diseases of the Digestive System.						
Calculi, hepatic	5	4	....	....	....	1

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Cholera-morbus	15	15	....	....	....	....
Cirrhosis of liver	11	....	....	5	5	1
" hypertrophic	4	....	....	....	4	....
Chronic constipation	21	12	5	4	....	....
Diarrhœa, acute	103	102	....	....	1	....
" chronic	8	3	2	....	....	3
" tubercular	5	....	3	1	1	....
Dysentery, acute	16	15	....	....	1	....
" chronic	1	....	....	1	....	....
Enteralgia	9	5	....	4	....	....
Gastritis, acute	3	3	....	....	....	....
" sub-acute	37	19	10	8	....	....
" chronic	7	....	2	5	....	....
Jaundice, catarrhal	6	3	2	....	....	1
Peritonitis, pelvic	2	1	....	....	1	....
" tubercular	1	....	....	....	1	....
" idiopathic	1	....	....	....	1	....
Cholecystitis, suppurative	1	....	....	....	1	....
Stomatitis, ulcerative	4	4	....	....	....	....
Tænia, solium	6	6	....	....	....	....
" mediocanallatu	1	1	....	....	....	....
Ulcer of stomach	8	5	1	2	....	....
Diseases of the Fauces and Palate.						
Catarrh, post-nasal	11	2	5	4	....	....

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Pharyngitis	18	10	8	..	....	....
Tonsillitis, simple	8	8	....	....	....	....
" follicular	10	10	....	....	....	....
" ulcerative	6	6	....	....	....	....
Diseases of the Cutaneous System.						
Dermatitis, medicamentosa	4	4	....	....	....	....
" rhus	5	5	....	....	....	....
" venenata	11	9	1	....	....	1
Eczema, acute	15	15	....	....	....	...
" chronic	14	8	6	....	....	....
Herpes Zoster	2	2	....	....	....	....
Pediculosis, caputis	18	18	....	....	....	....
" corporis	11	11	....	....	....	....
" pubis	15	15	....	....	....	....
Psoriasis, specific	5	....	5	....	....	....
" vulgaris	3	3	....	....	....	....
Scabies	8	7	....	....	....	1
Tinea Sycosis	5	5	....	....	....	....
" versicolor	2	2	....	....	....	....
Urticaria	8	8	....	....	....	....

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved	Died.	
Diseases of the Urinary System.						
Bright's Disease, acute	14	8	4	....	1	1
" chronic	46	....	17	14	12	3
Nephritis, tubercular	1	....	....	....	1	....
Cystitis	24	18	5	....	1	....
Calculi, renal	5	3	1	1	....	....
Diabetes, insipidus	3	....	....	....	....	3
" mellitus	7	....	....	3	2	2
Pyelitis	2	....	....	....	2	....
Diseases of the Ear.						
Cerumen, impacted	4	4	....	....	....	....
Otitis, externa	6	4	2	....	....	....
" media	9	3	3	2	....	1
Diseases of the Eye.						
Blepharitis marginalis	6	6	....	....	....	....
Conjunctivitis, simple	42	41	....	....	....	1
Trachoma	4	....	4	....	....	....
Glaucoma	1	....	1	....	....	....
Iritis	21	16	4	....	....	1
Keratitis	16	13	2	....	....	1

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Retinitis pigmentosa	3	....	....	2	....	1
Corneal ulcer	4	3	1	....	....	....
Pterygium	3	2	....	1	....	....
Orbital abcess	1	1	....	....	....	....
Diseases of the Nervous System.						
Chorea	1	....	1	....	....	....
Dementia, senile	1	....	....	....	1	....
Effusion, brain	3	....	1	....	2	....
" ventricular	1	....	1	....	....	....
Epilepsy	21	....	8	10	....	3
Epilepticus, status	3	2	....	....	1	....
General motor and sensory anæsthesia	1	....	....	....	....	1
Gumma of cerebrum	1	....	....	....	1	....
" pons	1	....	....	....	1	....
Hemiplegia	26	....	10	1	10	5
Hypochondriasis	3	....	....	3	....	....
Hysteria	11	....	7	2	....	2
Lumbago	20	20	....	....	....	....
Mania, acute	1	....	1	....	....	....
" sub-acute	1	....	1	....	....	....
" alcoholic	2	2	....	....	....	....
Melancholia	6	....	....	3	1	2
Meningitis	4	....	1	....	3	....

MEDICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Meningitis, cerebro-spinal	1	....	....	....	1	....
Migraine	9	5	4	....	....	....
Myalgia	21	21	....	....	....	....
Myelitis, acute	2	....	....	1	1	....
" sub-acute	7	....	....	3	....	4
Neuralgia	26	26	....	....	....	....
" intercostal	6	6	....	....	....	....
Neurasthenia	4	....	1	3	....	....
Neuritis, acute	1	....	1	....	....	....
" multiple	2	....	1	....	....	1
" peripheral	2	1	1	....	....	....
Paralysis, agitans	1	....	....	....	....	1
" Bell's	2	....	1	....	....	1
" crutch	2	1	....	....	....	1
" pseudo-bulbar	1	....	....	....	....	1
Pleurodynia	15	15	....	....	....	....
Pott's disease	3	....	1	....	....	2
Sciatica	3	1	1	....	....	1
Sclerosis, lateral	1	....	....	1	....	....
" postero-spinal	7	....	....	....	1	6
Tetanus	1	....	....	....	1	....
Tumor, cerebellar	3	....	....	1	....	2
Diseases of Women.						
Abortion	1	1	....	....	....	....
Antiflexion	3	1	2	....	....	....

MEDICAL DISEASES—Concluded.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Amenorrhœa	13	6	2	4	....	1
Dysmenorrhœa	14	3	11	....	....	....
Endocervicitis	16	14	1	....	....	1
Endometritis	6	3	2	....	....	1
Hypertrophy of labia	3	2	1	....	....	....
Mastitis	1	1	....	....	....	....
Menorrhagia	12	6	3	2	....	1
Metrorrhagia	8	5	2	1	....	....
Metritis, acute	1	1	....	....	....	....
Ovarian, cystoma	1	....	....	....	1	....
Salpingitis	1	....	....	1	....	....
Uterus, fibroid of	1	....	....	1	....	....
" polypus of	2	1	....	1	....	....
" prolapse of	1	....	1	....	....	....
" procidentia of	2	....	1	....	....	1
" retroflexion of	9	6	....	3	....	....
" retroversion of	7	....	3	3	....	1
Perineorrhaphy	4	4	....	....	....	....
Placenta, prævia	2	2	....	....	....	....
Prolapse, funis, and rapid delivery	1	1	....	....	....	....
Sapræmia	3	3	....	....	....	....
Total medical diseases	1996	1113	315	229	191	148

SURGICAL DISEASES.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Burns of face	5	5	....	....	....	....
" hand	12	12	....	....	....	....
" leg	11	11	....	....	....	....
Dislocation of clavicle	2	2	....	....	....	....
" hip	3	2	....	....	....	1
" humerus	11	11	....	....	....	....
" patella	1	1	....	....	....	....
" wrist	1	1	....	....	....	....
Fracture of clavicle	7	7	....	....	....	....
" femur (neck)	5	2	1	....	....	2
" " (shaft)	3	2	1	....	....	....
" fibula	1	1	....	....	....	....
" finger	3	3	....	....	....	....
" humerus	6	5	....	....	....	1
" ilium (crest)	1	1	....	....	....	....
" olecranon	1	1	....	....	....	....
" pelvis	1	....	....	....	1	....
" ribs	16	16	....	....	....	....
" radius (colles)	9	9	....	....	....	....
" tibia	2	2	....	....	....	....
" ulna	3	3	....	....	....	....
" skull (base)	2	....	....	....	2	....
Frostbite	25	25	....	....	....	....
Hæmatoma	2	2	....	....	....	....
Oyster-hand	9	9	....	....	....	....
Sprain of ankle	14	14	....	....	....	....
" arm	2	2	....	....	....	....

SURGICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Sprain of hip	1	1	....	....	....	....
" knee	8	8	....	....	....	....
" shoulder	2	2	....	....	....	....
" wrist	1	1	....	....	....	....
Wounds, contused	33	33	....	....	....	....
" incised	32	30	....	....	....	2
" lacerated	25	25	....	....	....	....
" punctured	8	8	....	....	....	....
Venereal Diseases.						
Balanitis	6	6	....	....	....	....
Blennorrhagia	1	1	....	....	....	....
Bubo	50	48	....	....	....	2
Chancroids	82	73	4	....	....	5
Epididymitis	15	15	....	....	....	....
Gonorrhœa	81	79	....	....	....	2
Orchitis	11	11	....	....	....	....
Phimosis	18	18	....	....	....	....
Prostatitis, suppurative	1	....	1	....	....	....
Paraphimosis	8	8	....	....	....	....
Stricture, urethral	24	15	7	....	....	2
Syphilis, primary	57	....	52	....	....	5
" secondary	38	....	27	7	....	4
" tertiary	21	....	16	3	....	2
" congenital	2	....	....	....	2	....
Warts, venereal	16	15	....	....	....	1

SURGICAL DISEASES—Continued.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Unclassified.						
Abscess of arm	7	7	....	....	....	....
" axillary	5	5	....	....	....	....
" buccal	14	13	....	....	....	1
Abscess cervical	2	2	....	....	....	....
" of foot	1	1	....	....	....	....
" of hand	6	6	....	....	....	....
" gluteal	3	3	....	....	....	....
" labial	5	5	....	....	....	....
" of liver	2	1	1	....	....	....
" lumbar	1	....	1	....	....	....
" mammary	2	2	....	....	....	....
" peri-rectal	3	3	....	....	....	...
" of thigh	1	1	....	....	....	....
Anchylosis of hip	1	....	....	....	....	1
" " knee	4	....	....	3	....	1
Amputation of foot	2	2	....	....	....	....
" " finger	3	2	....	....	....	1
" " leg	3	3	....	....	....	....
Arthritis deformans	2	....	....	1	....	1
Carcinoma of brain	1	....	....	....	1	....
" mammary	3	2	....	....	....	1
" of liver	5	....	....	....	5	....
" " penis	1	....	....	1	....	....
" " stomach	4	....	....	1	2	1

SURGICAL DISEASES—Continued.

Diseases.	Treated.	DISCHARGED.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Caveinoma of rectum	2	....	....	....	2	....
" " uterus	1	....	....	....	1	....
Carbuncle	8	7	....	....	....	1
Cyst sebaceous	2	1	...	....	....	1
Cellulitis of hand	49	42	....	....	....	7
" " leg	5	4	....	....	....	1
" " foot	6	6	....	....	....	....
" " pelvis	2	2	....	....	....	....
Coxalgia	1	....	1	....	....	....
Elephantiasis of leg	2	....	....	2	....	....
" of scrotum	1	....	1	....	....	....
Epulis	2	....	....	1	....	1
Epithelioma of face	1	....	....	....	....	1
" of hand	1	....	....	1	....	....
" of nose	3	1	....	1	....	1
" of penis	1	....	....	1	....	....
Fistula in ano	14	13	....	....	....	1
" urethral	2	....	1	1	...	....
" vesico-rectal	2	....	....	1	....	1
" vaginal	1	1	....	....	....	....
Furunculosis	11	7	....	....	....	4
Hæmorrhoids	38	20	5	12	....	1
Hernia, inguinal	16	8	3	5	....	....
" femoral	5	....	2	3	....	....
" ventral	1	....	....	1	....	....
Hydrocele	1	1	....	....	....	....
Intestinal obstruction	3	3	....	....	....	....

SURGICAL DISEASES—Concluded.

Diseases.	Treated.	Discharged.				Remaining December 31, 1893.
		Cured.	Improved.	Unimproved.	Died.	
Ligamentum patellæ, rupture of	1	1	....	....	....	....
Lipoma	1	1	....	....	....	....
Necrosis of fibula	1	1	....	....	....	...
" femur	2	....	....	2	....	....
" tibia	4	2	....	1	....	1
Periostitis	2	1	....	....	....	1
Prolapsus of rectum	3	2	....	....	....	1
Resection of radius	1	....	....	....	....	1
" ribs	4	3	....	1	....	....
Senile, gangrene	2	....	....	2	...	....
Skingrafting	1	1	....	....	....	....
Synovitis	13	10	1	1	....	1
Stricture of rectum	4	3	....	1	....	....
Tubercular glands	7	3	4	....	....	....
Ulcer of leg	86	37	34	10	....	5
Ulcerated stump	2	2	....	....	....	....
Varicocele	9	....	3	6	....	....
Varix	8	....	....	8	....	....
Total Surgical Diseases	1112	787	166	77	16	6

Recapitulation.

Total Ingress	3108
" Egress	2894
Remaining in Wards December 31, 1893	214

REPORT

—OF THE—

RESIDENT PHYSICIAN

—OF THE—

BALTIMORE INSANE HOSPITAL.

REPORT.

BAY VIEW ASYLUM, December 31, 1893.

To the Honorable Board of Trustees:

GENTLEMEN:

I have the pleasure to submit to you my report for the year ending December 31, 1893.

It may seem a trite subject to refer in detail to the operations of the Hospital, with which your Board is so familiar, from the reports made to you at the weekly meetings, and the information derived from your visits of inspection. Yet it is to be remembered that every year there are readers of the Annual Report to whom the whole subject is new. It is also by this means that the community is informed of what is being done in the administration of this branch of Hospital work.

The total number of patients in the Hospital on December 31, 1892, was 371. During the year 126 have been admitted. Of the total number 42 have been discharged as cured, 26 as improved, 18 as unimproved, and 33 as having died; leaving a remainder of 378.

During the year we have been free from epidemics, and the general health of the patients has been exceptionally good, which is demonstrated by the fact of a decrease of two per cent. in the mortality.

Admissions, as usual, show a large preponderance of chronic cases, considering which the number of cures has been unusually large, but the success of an insane hospital is not to be alone measured by its number of recoveries, for it is considered to be one of its successful achievements to report that even those who are not expected to recover have received that personal care and protection that could not be furnished outside of an asylum.

To one unfamiliar with the workings of the asylum but few changes would be noted, yet the improvements have been both numerous and extensive.

More attention has been given to the instruction of attendants, and besides teaching them the ordinary methods of nursing the sick, it has been endeavored to inculcate in them the highest standard of morality, and to impress upon them the obligations they are under to those, who by reason of disease are mentally incapacitated, and to their credit I wish to say that they have faithfully tried to acquire that tact, the possession of which is so essential for an attendant upon the insane.

It has been my aim to reduce to a minimum the amount of mechanical restraint employed. While I believe it not only necessary, but at times humane, to seclude or restrain a patient; at the same time instances of this kind have become less and less frequent,until it is now all but abolished. However, I do not believe it wise to permit a reckless destruction of property, or kindness to permit a patient to seriously injure others

or mutilate himself because of a sentimentality which requires that his hands should not be confined.

Feeling that many of our patients could safely be permitted to enjoy increased privileges, a large number of the most trustworthy have been paroled, and instead of being confined to the wards have at all times the utmost freedom of the grounds. While a few are given the privilege of visiting the city unattended, great care, has always been exercised in granting such permission more on account however of the prejudice universally existing against all insane persons, than for any actual fear for the safety of the patients or the public, and the fact that during the year only two elopements have occurred, proves that the extra freedom is appreciated and not abused.

The labor of the patients has been utilized as far as possible, thus serving the double service of economy and being at the same time a most valuable therapeutic resource.

The usual amusements have been continued, and in addition to the weekly dances, football, baseball and various games have been supplied and largely indulged in.

During the year donations were solicited for reading matter, and by the generous response of Dr. Berkley and his many friends, we have been enabled to start a library, which now contains about six hundred pieces, consisting of histories, novels, periodicals, journals, etc.

This furnishes both pleasure and occupation for a

large number of patients, and it is encouraging to note how few of the books are defaced or destroyed.

Our acknowledgments are due to Drs. Hurd, Remsen and Berkley for presents at Christmas, and at other times during the year.

I desire to acknowledge my appreciation and thanks to Drs. Hurd and Berkley for their direction and advice in the classification and treatment of the patients.

I am much indebted to my assistant Dr. James A. West and the visiting staff, consisting of Drs. Berkley, Jacobs, Singewald and Van Ness for their valued aid.

To the Superintendent, Captain C. W. Lewis, who has co-operated with me in the endeavor to secure a well managed and humane institution, I return my thanks.

To you, Gentlemen of the Board, I desire to express my thanks for your kind consideration and confidence, for in no instance has a request been made for the benefit of the hospital in any way, but it has been cheerfully granted and without stint.

Very respectfully submitted,

R. E. Garrett, M. D.

TABLE I.

General Statement for the Year 1893.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
Number of patients present December 31, 1892	153	141	29	48	371
Admitted from Baltimore	46	39	16	19	120
Transferred from Almshouse	4	1	1	....	6
Total in hospital during the year	203	181	46	67	497
Discharged during the year	38	24	7	12	81
Transferred to Almshouse	2	2	1	....	5
Died	10	11	10	2	33
Total egress during the year	50	37	18	14	119
Number of patients present December 31, 1893	153	144	28	53	378
In hospital three times during the year	....	1	....	....	1
In hospital twice during the year	3	3	1	1	8
Total in hospital more than once	3	4	1	1	9

TABLE II.

Time of Residence of those Discharged otherwise than by Death.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less....	15	7	4	4	30
Between 1 and 3 mos.	9	7	3	3	22
" 3 and 6 " ..	5	6	1	1	13
" 6 and 12 " ..	7	4	..	1	12
" 1 and 2 yrs ..	1	..	..	1	2
" 2 and 4 " ..	3	1	..	1	5
" 4 and 6 " ..	..	1	..	1	2
Total discharged....	40	26	8	12	86

TABLE III.

Showing Monthly Admissions, Discharges, Deaths and Averages.

	Admitted.	Discharged.	Died.	Averages.
January	6	4	7	367.58
February	13	12	3	364.71
March	13	6	2	366.23
April	13	11	3	372.27
May	8	12	3	364.
June	8	6	2	363.23
July	11	2	1	364.1
August	8	5	..	371.29
September	13	7	2	373.9
October	8	9	2	373.
November	18	8	3	376.8
December	7	4	5	378.29
Total admitted, discharged and died	126	86	33	

Average number of patients in Hospital during the year	369.62
Highest number of patients in Hospital during the year	381.
Lowest number of patients in Hospital during the year	361.

TABLE IV.

Nativity of Patients Admitted during the Year.

Baltimore City	42
Maryland	21
Virginia	11
South Carolina	1
Kentucky	1
District of Columbia	2
Connecticut	1
New York	1
New Jersey	1
Ohio	1
England	4
Ireland	6
Germany	19
Austria	2
Bavaria	1
Bohemia	2
Switzerland	1
Russia	6
Unknown	3
Total	126

TABLE V.

Showing Occupations of those Admitted during the year.

Baker	1	Oyster shucker	1
Barbers	2	Painter	1
Blacksmith	1	Peddler	1
Brass finisher	1	Plasterer	1
Brickmakers	2	Plumber	1
Barkeeper	1	Printers	3
Cabinetmaker	1	Rag assorter	1
Carpenter	1	Sailors	2
Cigarmakers	2	Sawyers	2
Cooks	6	School teacher	1
Domestics	16	Seamstresses	3
Engineer	1	Shoemakers	2
Farmers	2	Stonemason	1
Furniture varnisher	1	Tailors	3
Gardener	1	Teamster	1
Housewives	19	Type founder	1
Janitor	1	Waiter	1
Junk dealer	1	No occupation	19
Laborers	15	Unknown	2
Laundresses	2		
Merchant	1	Total	126
Moulder	1		

TABLE VI.

Showing the Form of Mental Disease of those Admitted during the Year

Delirium, grave	1
Mania, acute	9
Mania, subacute	7
Mania, chronic	5
Mania, periodic	4
Melancholia, acute	14
Melancholia, chronic	1
Paranoia	4
Dementia, terminal	4
Dementia, senile	9
Dementia, syphilitic	1
Dementia, traumatic	2
Dementia, organic	4
Dementia, paretic	3
Imbecility	15
Puerperal Insanity	4
Hysterical Insanity	3
Confusional Insanity	2
Epileptic Insanity	6
Acute Alchoholism	12
Chronic Alchoholism	12
Opium Inebriety	3
Not insane	1
	126

TABLE VII.

Showing time of Residence of those who Died.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less....	1	2	..	..	3
Between 3 and 6 mos.	2	1	1	..	4
" 6 and 12 " ..	1	1	5	1	8
" 1 and 2 yrs..	1	2	2	1	6
" 2 and 4 " ..	1	1	2	..	4
" 4 and 6 " ..	1	..	..	..	1
" 6 and 8 " ..	2	2	..	..	4
" 8 and 10 " ..	..	1	..	..	1
" 10 and 12 " ..	1	..	..	..	1
Of 18 years.....	..	1	..	..	1
Total of deaths.....	10	11	10	2	33

TABLE VIII.

Showing the Cause of Death of those Admitted during the Year.

Cerebral meningitis	4
Chronic Bright's disease	1
Mitral regurgitation	2
Septicæmia	2
Necrosis of maxilla	1
Appendicitis	1
Pneumonia	3
Status epilepticus	1
Hepatic abscess	1
Cerebral Hemorrhage	1
Acute dysentery	1
Aortic regurgitation	1
Measles	1
Pulmonary oedema	1
Old age	1
Capillary bronchitis	1
Tuberculosis	10
	33

TABLE IX.

Showing the Mental Disease of those who Died during the year.

Terminal dementia	6
Syphilitic dementia	2
Paretic dementia	2
Senile dementia	7
Chronic melancholia	2
Chronic mania	5
Acute delirium	1
Troumatic dementia	1
Imbecility	2
Alcoholic insanity	3
Epileptic insanity	1
Organic dementia	1
Total	33

ANNUAL REPORT

OF THE

HARBOR BOARD,

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

HARBOR BOARD OF BALTIMORE,

JANUARY, 1894.

F. C. LATROBE, Mayor,

President ex-officio.

JAMES S. WOODSIDE,

Secretary of Board.

EDWARD J. CODD,

HENRY WILLIAMS,

Executive Committee.

FIELDER C. SLINGLUFF.

MARTIN WAGNER.

J. VERNON CAMPBELL.

N. H. HUTTON, *Engineer.*

J. H. IRVIN, Jr., *Clerk.*

REPORT.

OFFICE OF THE HARBOR BOARD OF BALTIMORE,

January, 1894.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

The undersigned committee have been instructed by the Harbor Board to prepare, and submit to your Honorable body, the following report of operations during the year 1893.

Appropriations for the year for the several works under the direction of the Board were:

For harbor, docks, channels, etc	$50,000 00
For dredging in Jones' Falls (special appropriation)	25,000 00
For widening mouth of harbor	10,000 00
For operation and repair of ice-boat	19,000 00
For repairs of public wharves	3,000 00
For removal of ashes from tow-boats	1,200 00
For repair, etc., of quarantine tug "Hygeia" (special appropriation)	3,000 00
Making a total of	$111,200 00

MAINTENANCE AND IMPROVEMENT OF HARBOR, &c.

In order to secure the removal of sewer and street deposits from head of basin and docks in main harbor before the advent of warm weather, at the request of the Board, $20,000 was advanced in February, on the annual estimates of the Board, for this purpose.

A contract was concluded at 16¾ cents per cubic yard; operations under it were commenced on March 20th, and completed on May 17th.

All docks on Light street, and the head of basin as far down as Bowly's Wharf were dredged to hard bottom, as were also all the docks emptying into main harbor on both sides, from Patterson's Dock to Harris' Creek, on one side; and from William street to Cross street, on the other.

The total amount removed was 81,631 cubic yards.

On May 18th, a contract was entered into for the remaining dredging required for the season at the following prices:

Main Harbor	12½	cents per	cubic yard.
Back Basin	15½	" "	"
Middle Branch	13	" "	"
Mouth of Harbor, (hard)	27	" "	"
Jones' Falls	35	" "	"

Operations were commenced May 22nd, and the work completed November 30th.

MAIN HARBOR.

Shoal places off mouth of Harris' Creek Sewer were dredged to fifteen feet depth at low water.

Channels of same depth were made into pier at City Yard, and to dock at sea wall of Marine Hospital.

The deep water channel along piers on Canton side of lower harbor was re-dredged to twenty-seven feet, where required, and a width of one hundred and thirty-five feet was added to the extension of deep water between Locust Point and Canton.

There was excavated and removed 85,998 cubic yards.

BACK BASIN.

All deposits were removed to not less than fifteen feet below low water over the whole area, including docks at eastern end and channels through the draw. Jones' Falls, below Canton avenue, bridge, was dredged to eighteen feet depth at low water, as a catch-basin for deposits.

There was excavated and removed 43,880 cubic yards.

MOUTH OF HARBOR.

This work is intended to extend deep water over the shoal exposed by the removal of Foley's Wharf. The contemplated improvement was completed, except for a small area, over which has been obtained from twenty-two to twenty-four feet depth at low water.

The quantity excavated and removed was 31,217 cubic yards.

MIDDLE BRANCH.

The deposits at head of Basin from Howard street, Eutaw street and Chatsworth Run sewers were removed to twelve feet depth at low water.

The main channel from Eutaw street to Bayard street channel was redredged to twelve feet; the lateral channels to Bayard street and gas-house were restored to seventeen and fifteen feet depths respectively.

The main channel below draw in Light street bridge was widened forty-five feet, making it now one hundred and thirty-five feet wide and seventeen feet deep at low water. Amount excavated and removed was 53,781 cubic yards.

The total quantity excavated and removed under head of Harbor and mouth of harbor was 296,507 cubic yards.

The average price paid contractors was 15 $\frac{73}{100}$ cents per yard; the average price of administration and supervision was 2 $\frac{4}{100}$ cents per yard.

JONES' FALLS.

This stream above and including Canton avenue bridge was dredged to a general depth of twelve feet, at low water, to Baltimore street bridge, and thence to Fayette street bridge to the depth of fourteen feet.

The dryness of the season undoubtedly favored the progress of the work very materially. There was excavated and removed 62,783 cubic yards. There was paid contractors under this contract $33\frac{35}{100}$ cents per yard. The cost of general administration and supervision was $4\frac{16}{100}$ cents per yard.

The whole area covered by dredging operations during the year was 2,641,070 square feet, or $60\frac{1}{2}$ acres. The work done was the equivalent of a ditch forty-six feet wide, four feet deep and ten miles long.

EIGHTEEN YEARS' WORK OF HARBOR BOARD.

The appended statement shows the work done and expenditures since the organization of the Board in 1876 to December 31, 1893, a period of eighteen years:

The amount of dredging was....7,418,291 cubic yards.
Its cost was.....$1,253,680.33.

This is the *gross* cost of dredging for improvement of the harbor, and it includes advertising, general administration, supervision of dredging, surveys, and maintenance and repair of tug "Baltimore" (including cost of "ice-breaking"—except for 1877); and it shows that including all of these charges, the gross price for dredging was $16\frac{9}{100}$ cents per cubic yard.

OPERATIONS OF THE GENERAL GOVERNMENT.

Under the direction of Colonel William P. Craighill, a very detailed survey of the river and bay to Sandy Point has been in progress, and is nearing completion.

While the project for a 600 feet wide by 27 feet deep channel has been completed, being an artificial waterway, it requires annual repairs to preserve its utility. It is greatly to be hoped in the interests of the port, that the sum now necessary may be appropriated by Congress this year, or at least that our members use their best efforts to that end.

REPAIRS OF PUBLIC WHARVES.

Fender piles and caps were renewed or repaired where needed in the Back Basin; wooden platforms were repaired at Long Dock, Bowly's, South street and Pratt street wharves; guard logs were placed at foot Broadway, and of Gay street; and oak fast piles where required at all these places.

The coping and portions of the walls, were reset and rebuilt where necessary at Long Dock, Pratt street and foot of Johnson street. Total cost of repairs and general supervision was $3,000.00.

SEA WALL AT QUARANTINE STATION.

The coping on a portion of the sea wall was displaced by the storms of August 28th, and October 13th, and some of the filling of causeway, and behind the sea wall. Necessary repairs were made at a cost of $540.19, included in the $3,000.00 above.

REMOVAL OF ASHES FROM TOW-BOATS.

The scow used to receive ashes has been maintained in good condition; 72,189 bushels of ashes were received from 87 tow-boats, and deposited mainly behind the sea wall at old Marine Hospital.

ICE-BOAT.

This vessel was in service as an ice-breaker, from December 28th, 1892, to February 25th, 1893. The ice was unusually heavy and continuous, and the strain upon the boat very great. Ice was kept broken in the channels from the city to Thomas' Point; all requests for assistance to shipping were complied with. Trips in the public interest were made to Elk river, Chester river and the Susquehanna. During the summer twelve (12) trips to Chesterwood were made for the Free Summer Excursion Society (as provided for by law), and 14,942 persons were conveyed the round trip. It was found in the spring that the boat would be unfit for service in ice, unless new wheels were provided and a new donkey boiler; both those in use being 14 years old, and the wheels having required constant patching and mending during the winter.

A contract was made with Messrs. Reeder & Sons for new wheels and a donkey boiler at $7,610; the United States Inspector ordered repairs to machinery, costing additional $854.83. Making a total of $8,464.83.

Owing to the extraordinary expenses of ice-breaking during the past winter (nearly $9,000), there remains on account of the boat, an unpaid balance of $4,570.13.

The woodwork of house and hull is now 15 years old, and will require extensive repairs during 1894.

New steam drums and pipes will be required by the United States Inspector (as he has stated), and a liberal

appropriation is essential to the future usefulness of this boat.

The *gross* expenditures on this account for 15 *years*, including all repairs, and the extra cost of services for Free Summer Excursion Society (since 1881) have been	$158,850 71
Deducting the extra cost of these Excursions, amounting to about	10,000 00
They have been	$148,850 71
Or at the annual rate of	9,923 38

With the exception of steam drums and pipes, the hull and machinery are in as good condition now, as when the boat went into service in January, 1879.

REQUIREMENTS OF 1894.

The dredging, or removal, of deposits from the bed of Jones' Falls is included in this estimate of funds for the reason that past action of the Council seems to indicate its views on the subject of a work whose necessity none can dispute, however they may differ in opinion as to the methods to be pursued to accomplish the results.

The Board would request the following appropriations for works named:

Harbor, docks, channels, etc	$ 50,000 00
Widening mouth of harbor	5,000 00
Dredging Jones' Falls	25,000 00

Account of Ice-boat:

Due from 1893	4,570 13	
Required for 1894	$20,000 00	
		24,570 13
Repairs of public wharves		5,000 00
Removal of ashes from tow-boats		1,500 00
Making a total of		$111,070 13

For further details of work and expenditure, reference is respectfully requested to the Engineer's Report and Tabular Statements appended hereto.

Respectfully submitted,

JAMES S. WOODSIDE,
E. J. CODD,
HENRY WILLIAMS,

Committee.

Approved by the Board:

JAMES S. WOODSIDE, *Secretary.*

ENGINEER'S REPORT.

Statement of Receipts and Disbursements of the Harbor Board of Baltimore for the Year Ending December 31, 1893.

	Harbor.		Dredging Jones' Falls.		Widening mouth of Harbor.		Ice Boat.		Repairs to Wharves.		Removal of ashes from tow-boats.		New boiler, etc. to tug "Hygeia."	
Appropriation for work of 1893	.....	$50,000 00	.....	$25,000 00	.....	$10,000 00	.....	$19,000 00	.....	$3,000 00	.....	$1,200 00	.....	$3,000 00
Expenditures, as follows:														
Advertising	$ 50 43	.....	$ 10 27	.....	$ 10 26	.....	$ 46 58	.....	$ 26 26	.....	.....	.....	.....	.....
Contracts for dredging	38,215 84	.....	20,942 89	.....	8,428 59	.....	.....	.....	.....	.....	.....	.....	.....	.....
General administration	3,247 94	.....	1,393 33	.....	533 33	.....	.....	.....	.....	.....	.....	.....	.....	.....
Labor and material for repairs to wharves (work done by Harbor Board and by contract)	.....	.....	.....	.....	.....	.....	.....	.....	2,973 74	.....	.....	.....	.....	.....
New boiler and repairs to tug "Hygeia"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$3,000 00	.....
Removal of ashes from tow-boats	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	$1,147 78	.....	.....	.....
Supervision of dredging	1,945 02	.....	1,222 39	.....	321 39	.....	.....	.....	.....	.....	.....	.....	.....	.....
Surveys	704 92	.....	.....	.....	119 93	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tug and Ice-boat:														
Crew	2,964 25	.....	1,431 12	.....	586 50	.....	9,659 50	.....	.....	.....	.....	.....	.....	.....
Fuel	998 45	.....	.....	.....	.....	.....	2,020 15	.....	.....	.....	.....	.....	.....	.....
Repairs	1,283 30	.....	.....	.....	.....	.....	5,431 73	.....	.....	.....	.....	.....	.....	.....
Supplies	337 51	.....	.....	.....	.....	.....	1,842 04	.....	.....	.....	.....	.....	.....	.....
Unexpended balances	252 34	.....	.....	.....	.....	.....	.....	.....	.....	.....	52 22	.....	.....	.....
	$50,000 00	$50,000 00	$25,000 00	$25,000 00	$10,000 00	$10,000 00	$19,000 00	$19,000 00	$3,000 00	$3,000 00	$1,200 00	$1,200 00	$3,000 00	$3,000 00

APPROVED: N. H. HUTTON, *Engineer Harbor Board.*

Respectfully submitted, J. H. IRVIN, JR., *Clerk Harbor Board.*

Statement of Contracts Let and Work Done (Dredging, Repairs to Tug, Repairs to Ice-Boat, Repairs to Wharves and Removal of Ashes) during 1893, under Supervision of the Harbor Board of Baltimore.

By Whom Done.	Kind of Work.	Date of Contract.	Prices.	Work Done.
Baltimore Dredging Company	Dredging	March 13, 1893	16¾ cents per cubic yard	81,631 cubic yards.
" " "	"	May 22, 1893	35 " "	57,495 " "
			15½ " "	5,288 " "
" " "	"	" "	12½ " "	85,998 " "
" " "	"	" "	15½ " "	43,880 " "
" " "	"	" "	13 " "	53,781 " "
" " "	"	" "	27 " "	31,217 " "
John C. Froehlich & Co.	New boiler and repairs to tug "Hygeia"	March 22, 1893	$3,000 00, including advertising	Completed.
Sanford & Brooks	General repairs to wharves (labor and material)	September 11, 1893	$1,478 61	
Harbor Board	Repairs at Quarantine Station		540 19	$3,000 00 "
	Sundry repairs to wharves		178 93	
	General supervision of whv's.		802 27	
Charles Reeder & Sons	New waterwheels, etc., for ice-boat "Latrobe"	June 14, 1893	$8,464.83, of which $3,894.70 paid in 1893	"
Harbor Board	Removal of ashes from tow-boats		Maintenance of ash-scow $1,147 78	72,189 bus. dumped

Location of Dredging.	Approximate Area Dredged.	Depth of Water Obtained.
Jones' Falls	151,500 square feet.	12 feet.
Mouth of Harbor	170,960 " "	22 to 27 feet.
Middle Branch	404,000 " "	12 to 17 "
Harbor and channels generally	481,500 " "	15 to 27 "
Docks	1,122,160 " "	17 to 19 "
Back Basin	310,950 " "	15 to 18 "

SUMMARY OF ALL DREDGING (except Jones' Falls).

Year.	Area Dredged.	Average Depth of Cutting.	Total Excavation.
1893	2,489,570 square ft.	3 feet 2½ inches.	296,507 cubic yds.
1876 to 1892, inclusive	38,075,921 "	5 " 1 "	7,185,638 "
	40,565,491 "		7,482,145 "
Less Jones' Falls, inc. in prev. rep's.	62,400 "		63,854 "
Total, 1876 to 1893, inclusive.	40,503,091 "	4 " 11½ "	7,418,291 "

Approved, N. H. HUTTON, *Engineer Harbor Board.*

Respectfully submitted, J. H. IRVIN, Jr., *Clerk Harbor Board.*

HARBOR BOARD OF BALTIMORE.

Dredging for Improvement of Baltimore Harbor.

YEAR.	Paid Contractors.	Advertising, Gen'l Administration, Supervision, Surveys.	Maintenance of Tug "Baltimore."	GROSS COST.	CUBIC YARDS.	Approxm't Area, Square Ft.
*1876 } 1877 }	$215,761 53	$ 26,543 19	$ 8,681 07	$ 250,985 79	2,031,905	9,962,500
1878..	68,500 99	11,541 63	4,253 68	84,296 30	504,895	1,808,500
1879..	60,630 79	11,191 40	7,871 44	79,693 63	449,773	1,549,000
1880..	73,207 59	11,402 89	5,228 54	89,839 02	538,478	2,333,700
1881..	50,450 20	9,162 02	6,851 17	66,463 39	243,796	1,035,000
*1882..	30,697 43	9,290 18	6,088 73	46,076 34	177,581	1,405,000
1883..	47,527 74	6,802 63	6,578 36	60,908 73	256,623	2,079,000
*1884..	58,860 23	8,893 91	6,795 78	74,549 92	407,816	2,236,750
1885..	46,731 58	8,930 52	6,263 93	61,926 03	428,162	2,775,840
*1886..	53,936 18	8,615 94	6,829 17	69,381 29	491,238	2,969,000
1887..	37,130 78	6,578 00	6,212 72	49,921 50	283,362	1,542,450
1888..	34,822 27	7,675 21	6,566 62	49,064 10	225,299	1,868,130
1889..	25,317 51	7,736 98	6,283 74	39,338 23	159,639	838,610
*1890..	30,569 40	6,917 89	5,781 00	43,268 29	232,708	1,236,000
1891..	22,953 44	7,742 85	5,672 73	36,369 02	158,596	1,153,431
1892..	75,893 46	9,899 41	6,058 22	91,851 09	531,913	3,220,610
1893..	46,644 43	6,933 22	6,170 01	59,747 66	296,507	2,489,570
Totals.	$979,635 55	$165,857 87	$108,186 91	$1,253,680 33	7,418,291	40,503,091

Dredging in Jones' Falls.

1890..	$ 8,984 50	$ 715 50	$ 300 00	$10,000 00	25,670	62,400
1892..	12,944 31	1,400 44	655 25	15,000 00	38,184	60,000
1893..	20,942 89	2,625 99	1,431 12	25,000 00	62,783	151,500
Totals.	$42,871 70	$4,741 93	$2,386 37	$50,000 00	126,637	273,900

*For expenditures charged to the appropriation, include the following amounts:

1876-1877—

City property (dredges, tugs, etc)	$9,209 02	
Removal of wrecks	300 00	
Repairs to wharves	772 00	
Harbor relief	6,746 03	
		$ 17,027 05
Less deductions from vouchers for hire of machinery, etc.		12,711 85
		$ 4,315 20
Gross cost as above		250,985 79
Expenditures		255,300 99

1882—

Gross cost as above	$46,076 34
Removal of wrecks	1,449 50
	$47,525 84
Paid from appropriation for wharf, L. H. Pt.	652 00
Expenditures from approp. for harbor	$46,873 84

	1884.	1886.	1890.
Gross cost as above	$74,549 92	$69,381 29	$43,268 29
Removal of wrecks	100 00	100 00	100 00
Expenditures	$74,649 92	$69,481 29	$43,368 29

For the other years the gross cost also represents the expenditures.

Respectfully submitted,

J. H. IRVIN, JR., *Clerk Harbor Board.*

Approved:

N. H. HUTTON, *Engineer Harbor Board.*

REPORT.

OFFICE OF ENGINEER OF HARBOR BOARD,

BALTIMORE, January, 1894.

To the President and Members
of the Harbor Board of Baltimore:

GENTLEMEN:

I have the honor to submit the following report of operations during the year ending December 31st, 1893.

For the several works under direction of the Harbor Board, the Mayor and City Council appropriated for the year, as below:

For harbor maintenance and improvement, including maintenance and repair of tug, ice-breaking in winter, etc.....	$50,000 00
For widening mouth of main harbor.....	10,000 00
For dredging in Jones' Falls (special).....	25,000 00
For maintenance and repair of ice-boat....	19,000 00
For repairs of public wharves.....	3,000 00
For repairs of Quarantine tug-boat (special)	3,000 00
For removal of ashes from tow-boats.....	1,200 00
Making a total of	$111,200 00

HARBOR.

Early Dredging.

At the suggestion of the Board as to the desirability of completing all dredging of docks and head of Basin, before the commencement of warm weather, the Mayor and City Council in February authorized the expenditure of $20,000 for this purpose in advance of the passage of the General Appropriation Bill; the sum to be deducted from annual estimates of the Board, as submitted.

Bids.

After due advertisement, bids for this work were opened on March 3d, as follows:

Morris & Cumings Dredging Co	19⅝c.	per cub. yard.
W. B. Brooks, Jr	19½c.	" "
George C. Fobes & Co	19⅝c.	" "
Baltimore Dredging Co	16⅝c.	" "
Thomas P. Morgan	$14\frac{3}{10}$c.	" "

Award.

After a full investigation it was determined that the ability of the lowest bidder to do the work promptly, as specified, was to say the least extremely doubtful.

In consequence, the contract was awarded March 8th to the Baltimore Dredging Company, (the next lowest bidder).

Contract.

A contract was accordingly entered into with this Company, and operations under it were commenced on March 20th, and completed on May 17th.

Excavation.

There was in this time excavated and removed, 81,631 cubic yards, distributed as follows:

Location.

From head of Basin, to a line between Bowly's and Stabler's wharves, including all docks on Light street	35,477	cub. yds.
North side:—Bowly's and South street wharves	5,643	"
McClure's Dock	1,440	"
Patterson's Dock	1,060	"
Smith's Dock	3,363	"
Frederick-Street Dock	3,061	"
Long Dock	4,921	"
Union Dock	8,961	"
Foot of Broadway (sewer mouth)	1,030	"
Foot of Lancaster street	685	"
Fenhagen's Dock (sewer mouth)	300	"
Mouth Harris' Creek sewer	2,375	"
South side:—William Street Dock	1,140	"
Johnson Street Dock	1,095	"
Henry Street Dock	600	"
Cross Street Dock	1,330	"
Basin (Stabler's to Bixler's wharf)	9,150	"
Making a total of	81,631	cub. yds.

The areas dredged over were as follows:

Areas.

Head of Basin and Light street Docks	600,000	sq. ft.
North side:—Bowly's and South street wharves	29,700	"
McClure's Dock	15,000	"
Patterson's Dock	9,000	"
Smith's Dock	52,250	"
Frederick street Dock	55,000	"
Long Dock	66,000	"
Union Dock	61,500	"
Broadway Dock,(sewer mouth)	5,250	"
Lancaster Street Dock	4,500	"
Fenhagen's Dock (sewer mouth)	625	"
Harris' Creek Dock (sewer mouth)	1,800	"

South side:—William Street Dock	10,125 sq. ft.
Johnson Street Dock	11,250 "
Henry Street Dock	4,500 "
Cross Street Dock	12,500 "
Stabler's to Bixler's wharf (Basin)	183,160 "
Making a total area of	1,122,160 sq. ft.

Depths.

All excavations under this contract were made to hard bottom, and to depths varying from 17 to 19 feet; the least depth being at heads of docks.

Regular Dredging.

The General Appropriation Bill having been passed providing $30,000 additional for harbor, city dock, etc.; $25,000 for Jones' Falls, and $10,000 for widening the mouth of main harbor. Advertisements were issued and proposals for all the works named were opened on May 18th, as follows:

Bids.

BIDDERS.	Harbor and Channel.	Back Basin.	Middle Branch.	Widening mouth of Harbor.	Jones' Falls.
	cts. per cu. yd.	cts. per cu. yd.	cts. per cu. yd.	cts. per cu. yd.	cts. per cu. yd.
Baltimore Dredging Co	12½	15½	13	27	35
American Dredging Co	14	17¼	15¼	29	40
G. C. Fobes & Co.	13½	16 7/10	14 3/10	28	No bid.
Sanford & Brooks.	13½	16¾	14½	27¾	36

Award.

The Baltimore Dredging Company being the lowest bidders, and its prices not unreasonable, the contract was awarded to it. Operations were commenced under this contract and completed with quantities dredged, as follows:

Location.	Commenced.	Completed.	Excavated.
Jones' Falls.....	May 25.	Nov. 20.	62,783 cubic yards.
Back Basin.....	May 22.	Nov. 30.	43,880 "
Middle Branch.....	June 22.	July 24.	53,781 "
Mouth of Harbor.....	June 5.	Aug. 2.	31,217 "
Harbor, Channels, etc.	July 25.	Sept. 9,	85,998 "

Location and Excavation.

Making the total work done under this contract, 277,659 cubic yards, with results as follows:

Results.

JONES' FALLS.

Owing to an unusually dry season and the consequent decrease in the amount of sediment washed into the Falls, the excavations were carried up to Fayette street bridge, several hundred feet beyond the most sanguine expectations at commencement of work.

The whole distance from Canton avenue bridge to Fayette street bridge is about 2,500 feet, including the widths of bridges. The distance, exclusive of bridges and over which excavations can be made by the ordinary dredging machines is, 2,224 feet.

Excavations were made by dredge, from Canton avenue to Fayette street, as follows:

Areas and Depths.

Canton avenue to Eastern avenue...	48 x 350	ft., 12	ft. depth.
Same redredged in November	48 x 350	" 14	"
Eastern avenue to Pratt street.....	48 x 625	" 12	"
Same redredged in June.....	24 x 625	" 12	"
Same redredged in November.....	48 x 625	" 14	"
Pratt street to Lombard street.....	48 x 362	" 12	"
Lombard street to Baltimore street.	48 x 650	" 12	"
Baltimore street to Fayette street..	48 x 237	" 14	"

The removal of deposits under bridges was effected by means of a "scraper" operated from the dredge. The operation was repeated twice during the season, with the following results:

Under Canton Avenue bridge	12 ft.	depth.
" Eastern Avenue "	12	"
" Pratt Street "	about 10	"
" Lombard Street "	" 10	"
" Baltimore Street "	9½	"

From Pratt street upwards, there was found deposits of stone, apparently either remains of former structures, or from the abutments during the rebuilding of side walls; at all events it was found to be almost impossible to remove them with the scraper in use, though much time and money were expended in the effort.

The bottom of the stream, between Baltimore and Fayette streets, was mainly composed of clay, gravel and boulders; below that, sand and mud.

Below Canton avenue bridge an area of hard clay bottom was removed to 18 feet depth—over 31,500 square feet.

Whole Area in Jones' Falls

The whole area dredged over under this contract in the Falls, including bridges, but *not* redredging, was 151,500 square feet, or, say, 16,833 square yards, which gives an average depth of cutting of $3_{1}\frac{7}{0}\frac{3}{0}$ yards, or 11 feet 2¼ inches.

This depth of dredging to secure 12 feet is of course due to shoaling since last year, and the influx of sediment during the process of dredging, during six (6) months; in other words, even during a dry season, nearly 25,000 cubic yards of street and sewer washings was deposited in the stream during the progress of operations—May 25 to November 20.

BACK BASIN (OR CITY DOCK).

Dredging in City Dock.

All deposits were removed to 15 feet or more below low water, and generally to original hard bottom, or beyond. The docks on north and south sides of Centre Pier, at east end of Basin, were dredged to hard bottom (about 15 feet); the channels on either side of Drawbridge were dredged to 17 feet in centre, and the Falls below Canton avenue bridge was dredged to 18 feet depth.

Excavations were made as follows:

90 x 850 feet,	to	15	feet depth	76,500 square feet.	
48 x 675	"	18	"	32,400	" (Redredging).
180 x 300	"	15	"	54,000	"
100 x 315	"	19	"	31,500	" (Redredging).
225 x 300	"	16	"	67,500	"
225 x 170	"	16	"	38,250	"
90 x 230	"	16	"	20,700	"
90 x 600	"	15	"	54,000	"

Area dredged, exclusive of redredging, 310,950 square feet, or 34,550 square yards, equal to an average depth of cutting of $1\frac{2400}{10000}$ yards, or 3 feet $8\frac{3}{4}$ inches.

HARBOR AND CHANNELS.

Main Harbor.

The following excavations in main harbor were made under this sub-division:

Opposite mouth of Harris' Creek, 180x 400 feet to 15 feet, 72,000 square feet; at ice-boat pier, City Yard, 90 x 450 feet to 17 feet, 40,500 square feet; channel, east side lower harbor, 180 x 1,100 feet to 27 feet, 198,000 square feet; channel to dock in old sea-wall, 90 x 250 feet to 15 feet, 22,500 square feet; across harbor, from Locust Point to Canton, 135 x 1,100 feet to 27 feet, 148,500 square feet, making a total area of 481,500 square feet, or 53,500 square yards; giving an average depth of cutting of $1\frac{6}{10}$ yards, or 4 feet $9\frac{1}{2}$ inches.

MIDDLE BRANCH.

Spring Gardens.

Deposits to 12 feet depth were removed from the head of Basin, about Eutaw street and Chatsworth Run. The main channel, above Bayard-street dock, was redredged to 12 feet, and the lateral channels to Bayard street and gas house were restored to 17 and 15 feet depth respectively.

The 17 foot channel below Light street bridge was widened 45 feet, making it now 135 feet in width.

Excavations were made as follows:

Main Channel, head of Basin, 180 x 475 feet, 85,500 square feet to 12 feet; across head of Basin, 45 x 180 feet, 8,100 square

feet to 12 feet; opposite mouth of Chatsworth run, 45 x 500 feet, 22,500 square feet to 12 feet; into mouth of Chatsworth Run, 35 feet x 100 feet, 3,500 square feet to 9 feet; Main Channel, 90 x 975 feet, 87,750 square feet to 12 feet; Bayard street, 45 x 650 feet, 29,250 square feet to 171 feet; Gas House, 45 x 820 feet, 36,900 square feet to 15 feet; Channel, below Light street, 45 x 2,900 feet, 130,500 square feet to 17 feet. The whole area dredged over was 404,000 square feet, or about 44,887 square yards, which gives an average depth of cutting of about $1\frac{2}{10}$ yards, or 3 feet $7\frac{1}{4}$ inches.

WIDENING MOUTH OF HARBOR.

Mouth of Harbor

The work of extending 27 feet depth of water over, above and below the shoal at mouth of harbor, uncovered by the removal of the larger part of Foleys's wharf, (Lazaretto Point), has been nearly completed, and would have been entirely so, had the full amount of estimate of Board for 1894 ($15,000), been appropriated. There remains a small area of hard bottom, over which, however, has been obtained a depth of from 22 to 24 feet at low water. When this shoal area is removed there will have been added 250 feet to the available width for heavy draught vessels in the comparatively narrow entrance to the main harbor, which is so frequently filled with bay craft, passing in and out, as to render the passage difficult for large ships.

Excavations over this shoal were made as follows:

120	x	1,233	feet,	to 27	feet	depth.	147,960	square feet.
40	x	400	"	to 24	"	"	16,000	" "
40	x	175	"	to 22	"	"	7,000	" "
Making a total area of							170,960	" "
Or about							18,995	square yds.

giving an average cutting of $1\frac{643}{1000}$ yards, or 4 feet 11 inches.

Total Excavation.

The total quantity of material excavated and removed under this contract was, as heretofore given, 359,290 cubic yards, or, exclusive of Jones' Falls, (which is omitted on account of its abnormal features), 296,507 cubic yards. The areas dredged over were 2,489,570 square feet, or about 276,619 square yards, giving an average cutting of about $1\frac{7}{100}$ yards, or 3 feet $2\frac{1}{2}$ inches.

Total Cost.

The total expenditure for account of harbor, channels, docks, etc., was	$49,747 66
And widening harbor mouth	10,000 00
Or in all	$59,747 66

Subdivided as follows:

Contractor for dredging	$46,644 43	
Gen'l administration and supervision.	6,047 68	
Repair and maintenance of tug, including cost of breaking ice in winter...	6,170 01	
Surveys	824 85	
Advertising	60 69	
		$59,747 66
Unexpended balance		$ 252 34

The average price paid contractors was $15\frac{73}{100}$ cents per yard, and for general administration and supervision $2\frac{4}{100}$ cents per yard.

Jones' Falls Work.

Expenditures on account of Jones' Falls were:	
Paid contractor (dredging)	$20,942 89
General administration and supervision	2,615 72
Proportion of tug expenses	1,431 12
Advertising	10 27
Making a total of	$25,000 00

The average price paid contractor was $33\frac{36}{100}$ cents per yard; general administration and supervision, $4\frac{16}{100}$ cents per yard.

The average rate to contractor was less than contract price, because some necessary dredging was done *below* Canton avenue at Back Basin rates.

The cost of supervision was double that on the other works, for the reason that, with the same expense for inspectors per day, the dredge in the Falls averaged only 418 cubic yards per day, as compared with 1,500 to 2,000 cubic yards per day on the other works.

REPAIR OF PUBLIC WHARVES.

Small repairs were made by "day labor" to stone bulkheads, as follows:

East and west sides of Long dock—

145 feet, linear, of coping reset in cement; 30 feet, linear, of wall 1 x 3 feet rebuilt; 50 feet, linear, of gutters repaved, at a cost of ..... $ 44 92

Pratt street (near Bowly's wharf)—

75 feet, linear, of coping reset in cement; 5 feet, linear, of wall 2 x 3 feet rebuilt, at a cost of.....$ 15 50

Foot of Johnson street—

50 feet, linear, of coping reset in cement; 30 feet, linear, of wall 2 x 3 feet, rebuilt, at a cost of....$ 18 75

Bids.

For the pile and timber-work required; after advertisement, proposals were opened on August 21st, as follows:

BIDDERS.	40 feet oak piles in place.	30 feet oak piles in place.	Georgia pine timber in place, per 1,000 feet.	Oak fast piles in place, each.	Iron, per pound.	Estimated cost of work.
J. B. Ely.....	$ 9 00	$ 7 50	$27 00	$ 5 00	3 c.	$1,315 00
Sandford & Brooks.....	7 65	6 22	26 45	4 00	3¼c.	1,206 89
Benjamin Glenn	9 00	7 00	28 00	3 00	3 c.	1,260 00
J. H. Brown.....	6 50	6 50	28 50	3 00	4 c.	1,226 50

The bidding, as will be seen, was remarkably close in the aggregate. The contract was awarded Messrs. Sanford and Brooks, the lowest bidders.

Work Done.

The following work was done under this contract, with costs as stated; in every case the material named is properly prepared and fixed in place:

Pratt street (near Bowly's wharf)—

60 feet, linear, 6″ x 6″ guard log; 293 square feet wooden platform repaired, at a cost of..... $ 23 36

Back Basin (City Dock)—

Work Done.

52 oak fender piles (40 feet); 24 oak fast piles (8 feet); 380 feet, linear, 12″ x 12″ cap (new); 648 feet, linear, 12″ x 12″ cap (old, reworked); 266 feet, linear, 6″ x 6″ guard log, at a cost of..... $ 708 85
Hire pile driver on account contract of 1892..... 49 00

Bowly's and South street wharves—

1,700 square feet platform repaired: 1 fast pile (oak).—There was also expended in replacing platform at Bowly's wharf, lifted by high water and storm of October 13th, about $30, making the total cost..... $211 57
Also Hire pile driver on account contract of 1892, 24 50

Wharf at City Yard—

4 oak fender piles (40 feet), chocked and bolted, and end fenders chained, at a cost of..... $42 30

Long Dock—

420 feet, linear, 6″ x 6″ guard log; 5 oak fast piles; 4,872 square feet platform repaired, at a cost of... $460 15

Foot of Gay street—

60 feet, linear, 6″ x 6″ guard log, with heavy iron straps, at a cost of..... $20 38

Foot of Broadway—

2 oak fender piles; 24 feet, linear, 6″ x 6″ guard log, at a cost of..... $12 00

Sea Wall, Quarantine Station—

The storm of August 28th injured the coping on southeast face of sea-wall, and washed a considerable quantity of the filling from behind the wall.

Hardly had this damage been repaired when the storm of October 13 again damaged coping and filling. All damages were finally repaired during November.

The nature of repairs as to filling, etc., prevents exact statement as to amount of work done in detail.

350 feet of coping was reset in cement.
500 cubic yards of shell and earth filling used.
The rip-rap on southeast face and on east side of Causeway, where damaged by water and ice, was replaced at foot of wall.
The Causeway, where damaged on west face, was restored with shells.

The cost was ..... $ 540 19

The appropriation for Wharf repairs was $3,000 00
Expenditures as above $2,171 47
General supervision of all wharves and advertising 828 53
Total Cost. ——— 3,000 00

ICE-BOAT.

The steamer "F. C. Latrobe" was put in commission for service in ice on December 28, 1892, and continued therein until February 25.

This boat is rarely in the harbor day or night during the prevalence of ice in the river or bay, except when taking in coal or provisions or under repair.

Work in Ice.

The ice was kept broken in channels between Baltimore and Thomas' Point; all applications from shipping for assistance were complied with where a sufficient depth of water was found.

On December 29, February 5, 6 and 19, ice was broken up the bay to Elk river for the Baltimore and Philadelphia steamboats. On January 10 a track was broken to Chestertown, at night, on State service. On February 7 and 8 a track was broken to Rockhall and Queenstown for Chester river boats, and on the 19th and 28th of January ice was broken in Annapolis Harbor.

The ice season of January and February, 1893, exceeded in thickness and continuity of areas anything that I have heretofore seen, not excepting the season of January, February and March, 1877.

The continuous pounding of the wheels in the ice completely disabled them, (then 14 years old), and it was only by frequent repairs and great care that they were enabled to complete the ice season.

Repairs.

It was very evident in the spring that unless new wheels were provided, with

some repairs to machinery, it would be impossible to perform any useful service in ice during the winter of 1893-94.

Estimate of 1893.

What was supposed early in January, 1893, would be a sufficient amount to cover all expenditures was submitted by the Board to the Mayor and City Council, the extent and continuance of the ice not then being foreseen.

On the 1st of March it was found that with repairs, etc., the expenditures to that time were nearly $9,000, the appropriation being $19,000; left for ten months' maintenance, new wheels and repair of machinery only $10,000.

In view, however, of the absolute necessity for maintaining the boat in serviceable condition proposals were called for, for new wheels and a new donkey boiler, which were opened on May 25, as follows:

New Wheels.

Charles Reeder & Sons.....$ 7,610 00
James Clark Company..... 11,000 00

The contract was awarded to Messrs. Reeder & Sons, who have completed their work in the most satisfactory manner.

In the meantime the United States Inspector of Steam Boilers directed repairs to be made, involving an additional expense of over $800, and a reduction of allowed

steam pressure, from 60 lbs. to 50 lbs., with the intimation that it would be still further reduced unless entirely new steam drums and pipes were put in this year. The boat has now been in service fifteen years; the woodwork of house and decks is decayed, and should be at once renewed. During fifteen years all expenditures for operation, maintenance and repair of this vessel have averaged $9,923.38 per year, excluding the extra cost of free summer excursions.

The appropriation for use of Ice-boat during 1893 was..... $ 19,000 00

The expenses were: Expenses.

Advertising	$ 46 58	
Wages.....	9,659 50	
Fuel.....	2,020 15	
Supplies and provisions.....	1,842 04	
Repairs.....	10,001 86	
		23,570 13
Leaving still due for repairs....		$ 4,570 13

If the Ice-boat is to be maintained in serviceable condition a considerable advance must be made this year in the money at command over the amount for ordinary expenses.

REMOVAL OF ASHES FROM TOW-BOATS.

Use of Scow.

The deck scow used for the storage of ashes from tow-boats has been maintained in good order.

The Inspector reports that during 1893 he has received 72,189 bushels of ashes from 87 tow-boats. Ashes have been mostly placed in the water, behind the old sea wall at the Marine Hospital.

Appropriation for this service..... $1,200

The expenditures have been:

Supervision.....	$806 42	
Unloading scow.....	240 00	
Miscellaneous supplies.....	29 16	
Repairs and betterments....	72 20	
Unexpended balance.....	52 22	
		$1,200

QUARANTINE TUG "HYGEIA."

Appropriation.

For the purpose of procuring a new boiler and making repairs of machinery and hull for this boat an appropriation was made of $3,000 00

Advertisements were issued for boiler and repairs, and proposals were opened on March 16, as follows:

James Clark Co.....	$2,463 00
J. C. Froehlich & Co...	2,090 00
C. Reeder & Sons.....	2,785 00

Messrs. Froehlich & Co. being the lowest bidders, the contract was awarded to them, and completed in August.

Expenditures were: Expenditures.

Advertising	$24 89	
Incidentals	2 40	
Boiler and machinery repairs	2,090 00	
Repairs to woodwork and extras on machinery	882 71	
		$3,000 00

ESTIMATES FOR 1894.

The following amounts are recommended for operations of 1894:

Harbor, back basin, docks and channels	$50,000 00	Appropriations for work of 1894.
Dredging in Jones' Falls	25,000 00	
Widening mouth of harbor	5,000 00	
Operation and repair of iceboat—due from 1893, $4,570.13; for 1894, $20,000	24,570 13	
Repairs and supervision public wharves	5,000 00	
Removal of ashes from towboats	1,500 00	
Amounting to	$111,070 13	

Details.

For details of expenditures of work reference is requested to annexed tabular statements prepared by the clerk to the Board.

I am gratified to be able to repeat the assurance that the officers and agents of the Board have performed their duties with zeal, honesty and intelligence. The result of their work is the best evidence.

Respectfully,

N. H. HUTTON,

Engineer.

ANNUAL REPORT

OF THE

City · Commissioner

TO THE

MAYOR AND CITY COUNCIL OF BALTIMORE,

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1893.

REPORT.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 1, 1894.

To the Honorable the Mayor and City Council:

GENTLEMEN:

The Annual Report of this department of the City Government, with accompanying sub-reports and tables, for the year ending December 31, 1893, is respectfully submitted.

REPAIRS OF PAVED STREETS.

The work of repairing streets and alleys was begun on April 17, and continued in full force until November 18. There were thirteen regular gangs employed during that period, and after the general operations were stopped two or three gangs were employed to the end of the year in repairing places that required immediate attention. These gangs will be kept at work during the winter whenever the state of the weather is such as to permit work to be done. In addition to the above, a gang of Belgian block pavers was also employed, to-

gether with a gang employed in putting down new flagstone crossings and repairing old ones.

The aggregate of cobblestone repaving amounted to 2,248,835 square feet, which cost $3\frac{3}{7\,8}$ cents per square foot; linear feet of kerbing reset, 1,990; Belgian block repaving, 45,859 square feet; asphalt block repaving, 3,597 square feet; sheet asphalt, 896 square feet; loads of sand used, 22,289; new cobblestones used, 788 perches; old cobblestones used, 2,164 perches. The amount appropriated for repairs of streets was $92,000.00, which was disbursed as follows:

Pay of workmen, superintendents, etc.	$75,975 97
Cost of Belgian block repairs	2,782 98
" asphalt " "	3,246 06
" sheet asphalt "	2,240 00
" sand purchased	3,961 56
" cobblestones purchased	1,378 90
" gutter and flagstones	1,698 16
" new and repairing old tools	636 53
Total	$91,920 16
Balance unexpended	79 84

With regard to the repairing of streets by the several street railway companies along the lines of their tracks, I have to say that, while constant supervision was required in order to keep them to their work, the work has been tolerably well done.

IMPROVED PAVEMENTS.

It has been my earnest endeavor to have all work of this character put down in the best and most durable manner. They consist of three classes of pavement, viz.: Granite block, done by day's labor; sheet asphalt and asphalt blocks, done by contract.

In the case of granite block paving, the pavers have been required to do the regulation quantity of work. This has been done in a very satisfactory manner as can be verified by inspection. The sheet asphalt and asphalt block pavings have also been done in the best manner, fully up to the specifications, and subject to the most rigid inspection.

The method of laying the different kinds of pavements is of course familiar to you. It may be interesting to others who read these reports to understand how the work is done. Sheet asphalt pavements, as we lay them in Baltimore, are constructed on a hydraulic concrete base, not less than six inches deep. The street is first graded to the required depth, and rammed and rolled. The concrete is composed of two parts of sand and one part of domestic hydraulic cement. They are mixed dry, and then made into mortar and mixed with broken stone, to the extent of one part cement, two parts of sand, and five parts of broken stone. After being thoroughly mixed, this concrete is put in place and made to

conform to the crown and grade of the street. The concrete is rammed until the mortar appears on the surface. It is then allowed to set from ten to fifteen days, after which a "binder" course of small broken stone, mixed with asphalt cement, is laid to the depth of one and one-half inches and well rolled with a steam roller. The surface course is then laid and again rolled by a steam roller, so as to give a depth of not less than one and one-half inches. The depth is tested by a special instrument designed by the Engineer in charge. The cement, sand and stone for the concrete base are thoroughly inspected. The cement is inspected according to the formula of the American Society of Civil Engineers. The asphalt "binder" and top courses are inspected by the use of thermometers, and if any material is sent to the work that shows by the thermometer to be unfit for use, it is rejected and not used.

"Granolithic" gutters have been proved to be superior to those composed of ordinary sheet ashalt, and are made entirely of the best Portland cement. They are practically indestructible, and not subject to deterioration from the action of the acids formed in ordinary drainage, as sheet asphalt gutters are. The use of Granolithic, or practically, stone gutters is an improvement introduced within the last few years by this department. They are made of the very best Portland cement, and from tests which this department is aware of, they have steadily increased in durability, and being smooth they carry off the surface drainage rapidly.

Block asphalt pavements are laid on a foundation of sand, from eight to twelve inches in depth. Great improvement has been made in the manufacture of these blocks in this city, by the Maryland Pavement Company, and I have no hesitation in asserting that for "residence streets," and streets not subject to more than ordinary travel, they make a first-class pavement, being like sheet asphalt, noiseless and durable.

Belgian block pavements are laid in this city on a bed of sharp sand. It is unnecessary to speak of their adaptability for all classes of streets, from their well known durability. A great improvement might be made in this class of pavement by laying it upon a concrete foundation, which would, however, naturally increase the cost.

From the fact that the streets of this city are being constantly torn up for the purpose of laying water pipes, gas pipes and drain pipes, it is perhaps advisable that Belgian block work should continue to be laid upon a purely sand foundation, as it could be more easily repaired when disturbed than if laid in concrete. The same may be said of asphalt block work.

A few experiments have been made in laying vitrified bricks upon a sand and concrete foundation. This work has not been in use long enough to test its adaptability to general use. Care has been taken to use only such bricks as have stood the several tests in use.

Much difference in the cost of laying Belgian block paving occurs on account of the location of the street. Belgian blocks are delivered by the contractors who furnish them at railroad stations and city wharves, consequently if the street is convenient to the station or wharf, the cost of hauling the blocks is small; if distant from the station or wharf, it is much greater. In some streets, the flow of water is small, in others great. In some streets storm water does no damage, while in others it causes considerable damage, often to the extent of washing out the sand and blocks, necessitating a new bed of sand and the relaying of the blocks. In streets that are without railroad tracks, the work is not delayed by cars continually passing over the work, as is the case where tracks are laid. In laying improved pavements, changes are often made in the grades and "camber," causing corresponding changes in the "cross" streets, and adding much to the cost. All these things make one street cost much more than another.

FLAGSTONES—GENERAL APPROPRIATIONS.

Work begun March 13, 1893; work completed December 15, 1893.

Location A.

1. Across Aisquith street, north side Hoffman street.
2. " Aliceanna street, west side Cannon street.
3. " Arch street, south side Fayette street.

4. Across Arlington avenue, at Wagon alley.
5. " Alley on Division street, south of Mosher street.
6. " Alley on Mosher street, east of Division street.
7. " Alley south side Harlem avenue, between Bruce and Fulton streets.

Location B.

8. Across Beverly street, east side Charles street.
9. " Barre street, west side Sharp street.
10. " Bethel street, south side Milliman street.
11. " Bethel street, north side Milliman street.
12. " Bloomingdale avenue, south side Harlem avenue.
13. " Bloomingdale avenue, south side Raynor street.
14. " Bloomingdale avenue, south side Lanvale street.
15. " Biddle street, east side Barclay street.
16. " Biddle street, west side Barclay street.
17. " Biddle street, east side Argyle avenue.
18. " Bond street, south side Thames street.
19. " Bruce street, south side Harlem avenue.
20. " Bruce street, north side Harlem avenue.
21. " Bolton street, north side Lennox street.
22. " Bethel street, north side Monument street.
23. " Biddle street, west side Pear alley.

Location C.

24. Across Cross street, west side Leadenhall street.
25. " Calhoun street, north side Ramsay street.
26. " Carroll street, south side Cross street.
27. " Charles street, north side Winter street.
28. " Collington avenue, south side McElderry street.
29. " Collington avenue, south side Jefferson street.
30. " Central avenue, south side Madison street.
31. " Chesapeake street, south side Lancaster street.
32. " Calvert street, opposite Klipper and Webster's store.
33. " Carrollton avenue, north side Lombard street.
34. " Carrollton avenue, south side Lombard street.
35. " Chesapeake street, opposite Finckes' Hall.
36. " Caroline street, south side Dock street.
37. " Calvert street, south side Twenty-first street.
38. " Calvert street, north side Twenty-third street.
39. " Charles street, south side Williamson street.
40. " Chew street, west side Central avenue.
41. " Charles street, from No. 1910 to No. 1917.

Location E.

42. Across Eutaw street, north side Cross street.
43. " Elliott street, west side Streeper street.
44. " Etting street, south side McMechen street.

Location F.

45. Across Fayette street, north side Collington avenue.
46. " Frederick avenue, west side Bentalou street.
47. " Fremont avenue, north side Lombard street.
48. " Fremont avenue, from southeast corner Conway street to northeast corner Ridgely street.
49. " Fremont avenue, north side Conway street.
50. " Fremont avenue, south side Burgundy alley.
51. " Fremont avenue, south side Paca street.
52. " Front street, north side Plowman street.
53. " Fairmount avenue, east side Irvine place.

Location G.

54. Across Goldsmith alley, south side Lombard street.
55. " Gough street, east side Duncan street.
56. " Gay street, west side Biddle street.
57. " Green street, south side German street.
58. " Green street, north side German street.
59. " Gilmor street, at Wilkins avenue.

Location H.

60. Across Hanover street, north side Winter street.
61. " Hopkins avenue, south side Madison street.
62. " Hollins street, north side Mount street.
63. " South High street, opposite No. 22.
64. " South High street, north side Winter street.
65. " Harlem avenue, east side Brune street.

Location J.

66. Across Jordan alley, south side Robert street.
67. " Jordan alley, north side Laurens street.

Location K.

68. Across King street, west side Fremont street.

Location L.

69. Across Lombard street, east side Garrison lane.
70. " Lennox street, east side Bolton street.
71. " Lanvale street, east side Bethel street.

Location M.

72. Across Marshall street, south side Ostend street.
73. " Montgomery street, opposite Ebenezer Church.
74. " Milliman street, west side Bethel street.
75. " Milliman street, east side Bethel street.
76. " Myrtle avenue, north side Hoffman street.
77. " McCulloh alley, south side Robert street.
78. " McCulloh alley, north side Robert street.
79. " McCulloh alley, north side Laurens street.
80. " Monroe street, in front of church.
81. " McCulloh alley, north side Presstman street.
82. " McCulloh alley, south side Presstman street.
83. " McCulloh alley, south side Bloom street.
84. " Madison street, west side Central avenue.

Location N.

85. Across Norris alley, south side Lanvale street.
86. " Norris alley, north side Lanvale street.

Location O.

87. Across Orleans street, west side Collington avenue.
88. " Oak street, south side Twenty-second street.

Location P.

89. Across Patapsco street, south side West street.
90. " Patapsco street, south side Beverly street.
91. " Patapsco street, at Ostend street.
92. " Paca street, east side Fremont avenue.
93. " Presbury street, west side Mount street.
94. " Presbury street, at Vincent alley.
95. " Plowman street, west side Front street.
96. " Paca street, north side Lombard street.

Location R.

97. Across Riverside avenue, south side Falsom street.

Location S.

98. Across Saratoga street, east side Bruce street.
99. " Smallwood street, south side Mary Ann.
100. " St. Paul street, opposite No. 609.
101. " Stoddard alley, south side Laurens street.

102. Across Stoddard alley, north side Laurens street.
103. " Stricker street, south side Fayette street.
104. " Stoddard alley, south side Presstman street.
105. " Stoddard alley, north side Bloom street.
106. " Stoddard alley, south side Bloom street.
107. " St. Mary street, east side Druid Hill avenue.

Location T.

108. Across Thames street, southwest corner Broadway to Point Market.
109. " 24th street, west side St. Paul street.

Location W.

110. Across Woodyear street, south side McHenry street.
111. " Williams street, north side Hamburg street.
112. " Washington street, south side Biddle street.

Total crossings laid, 112.

Appropriation		$8,000 00
Material	$4,533 16	
Labor	3,465 28	
		7,998 44
Balance		$1 56

NEW GUTTER-PLATES.

Location.

A single set across the north side of Pratt street, corner Gilmor street, under Resolution No. 164, approved September 26, 1892.

Appropriation	$650 00
Amount expended	644 64
Balance	$ 5 36

A double set across the east and west sides of Lombard street, corner of Paca street, under Resolution No. 75, approved March 24, 1893.

Appropriation	$2,000 00
Amount expended	1,559 24
Balance	$ 440 76

A double set across the east and west sides of Central avenue, corner of Eager street, under Resolution No. 68, approved March 22, 1893.

Appropriation	$1,400 00
Amount expended	1,279 32
Balance	$ 120 68

A double set across the north and south sides of Chesapeake street, corner of Dillon street, under Resolutions Nos. 159 and 160, approved May 8, 1893.

Appropriation	$1,700 00
Amount expended	1,469 13
Balance	$ 230 87

A single set across the west side of Canton avenue, corner of Dillon street, under Resolution No. 178, approved May 19, 1893.

Appropriation	$850 00
Amount expended	823 36
Balance	$26 64

A double set across Eastern avenue, on the east and west sides of Ann street, under Resolution No. 77, approved March 24, 1893.

Appropriation	$3,000 00
Amount expended	1,330 93
Balance	$1,669 07

GUTTER-PLATE REPAIRS.

1893.	LOCALITY.
New wood—	Granby and High streets.
"	Lancaster and Wolfe streets.
"	Canton avenue and Ann street.
"	Aliceanna and Ann streets.
	Aliceanna and Wolfe streets.
	Armory avenue and Howard street.
New wood—	Aliceanna and Bond streets.
"	Canton avenue and Bond street.
"	President and Stiles streets.
	High and Granby streets.
	Stiles and Albemarle streets.
	Stiles and Fawn streets.
New wood—	Canton avenue and Caroline street.
"	Calvert and German streets.
	Canton avenue and Washington street.
	Patterson Park avenue and Essex street.
	Eastern avenue and Caroline street.
New wood—	Aliceanna and Caroline streets.
	Chester and Gough streets.
	Charles and Lexington streets.
	Baltimore and Eden streets.
	Lombard and Calvert streets.
New wood—	Eutaw and Pratt streets.
"	Camden and Charles streets.
	Sharp and Pratt streets.

New wood—Charles and Cross streets.
" Charles and Preston streets.
Lancaster and Caroline streets.

New wood—Aliceanna and Washington streets.
" Aliceanna and Chester streets.
Charles and Centre streets.
Central avenue and Monument street.
Hanover and Barre streets.
Gay and Exeter streets.
Charles and Preston streets.
Lexington Market.
North and Greenmount avenues.
Sharp and Camden streets.
Gilmor street and Lafayette avenue.
Charles and Preston streets.
Fort avenue and Charles street.
Eutaw and Lombard streets.
German and Light streets.
Holliday and Baltimore streets.
Calvert and German streets.
Mount and Pratt streets.
Calvert and Centre streets.
Boston and Leakin streets.
Aliceanna street and Central avenue.
Charles and Pratt streets.
Baltimore and Holliday streets.
Aliceanna street and Central avenue.
Hollingsworth and Pratt streets.

Sharp and Camden streets.
Lexington and Liberty streets.
Light and German streets.
Charles and West streets.
Light and Cross streets.
Greenmount and North avenues.
Sharp and Camden streets.
Mulberry and Greene streets.
Frederick avenue and Pratt street.
Washington street and Eastern avenue.
Washington street and Canton avenue.
Charles and Baltimore streets.
Pratt and Mount streets.
Pratt and Commerce streets.
Hanover and Camden streets.
Hanover and Camden streets.
Holliday and Baltimore streets.
Camden and Hanover streets.
Light and German streets.
German and Light streets.
Baltimore and Exeter streets.
Hanover and Conway streets.
Lexington and Liberty streets.
Camden and Sharp streets.
Holliday and Baltimore streets.
Charles and Baltimore streets.
Charles and Franklin streets.
Chase and Bond streets.
Ann and Lancaster streets.

Calhoun and Pratt streets.
Charles and Franklin streets.
Chase and Bond streets.
Ann and Lancaster streets.
Lexington and Liberty streets.
Baltimore and Howard streets.
Baltimore and Eutaw streets.
Paca and Lombard streets.

Appropriation	$1,402 14
Amount expended	1,177 76
Balance	$224 38

GUTTER-PLATES STORED IN BELAIR STORAGE LOT, BALTIMORE, JANUARY 12, 1894.

Diamond Plates.

5 Plates, 3 feet, 0 inches x 5 feet, 0 inches, each.
11 " 4 feet, 0 inches x 5 feet, 0 "
16 "

Bar Plates.

1 Plate, 2 feet 0 inches x 3 feet 0 inches.
1 " 2 feet 0 inches x 4 feet 0 inches.
1 " 2 feet 6 inches x 4 feet 6 inches.
2 Plates, 3 feet 0 inches x 3 feet 6 inches, each.
5 " 3 feet 0 inches x 4 feet 0 "
10 " 3 feet 0 inches x 5 feet 0 "
42 " 4 feet 0 inches x 5 feet 0 "

2	Plates,	4 feet 0 inches x 5 feet 9 inches,	each.
4	"	4 feet 0 inches x 7 feet 0	"
9	"	5 feet 0 inches x 5 feet 0	"
3	"	5 feet 0 inches x 7 feet 0	"
6	"	6 feet 0 inches x 6 feet 0	"
3	"	5 feet 0 inches x 6 feet 0	"
89	"		

All in good condition.

Special Pattern Plates.

33 Plates.

Summary.

Diamond Pattern Plates			16
Bar	"	"	89
Special	"	"	33
Total number of plates			138

SEWER-BOXES

Have been put down at the following localities, and needed repairs made to others; the cost of which, including materials and labor, has been charged to repairs of sewers:

Leadenhall street.
Warner and Clement streets.
Boundary avenue and Hoffman street.
Point lane and Central avenue.

Patapsco and Rose streets.
Alley between Baltimore and Raborg streets.
Warner and Ostend streets.
Concord street.
City Dock Drawbridge.

REPAIRS OF BRIDGES.

Repairs have been made on the following-named bridges during the year, and in some of them, particularly Chase-street bridge, to a considerable extent, involving a large outlay:

Madison-street bridge.
Eastern-avenue bridge.
Monument-street bridge.
Leadenhall-street bridge.
Ridgely-street bridge.
Monument-street bridge.
Preston-street bridge.
Warner-street bridge.
Ridgely-street bridge.
Eastern and Canton-avenue bridges.
Monument-street bridge.
Leadenhall and Ostend-street bridges.
Leadenhall and Ostend-street bridges.
Argyle-avenue bridge.
Columbia-avenue bridge.
Boston-street bridge.
Nanticoke-street bridge.

Argyle-avenue bridge.
Lancaster and Central-avenue bridges.
Lancaster and Central-avenue bridges.
Canton-avenue bridge.
Columbia-avenue bridge.
Preston-street bridge.
Chase-street bridge.

REPAIRS OF OLD SEWERS AND INLETS.

Only the most needed repairs could be done on this work, in consequence of the limited amount of the appropriation. A careful and constant supervision is therefore required, so as to see at what point the most needed repairs should be done to protect the work and prevent accidents.

The location and repairs done to the various old sewers and inlets is shown in the following table:

Sewer, Hammond alley near Exeter street.
Sewer, Light and Balderston streets.
Sewer, Central avenue and Pratt street.
Sewer, Bank street near Central avenue.
Sewer, between Harford and Greenmount avenues.
Sewer, north of Monument street.
Sewer, old Calhoun street, between Franklin and Lanvale streets.
Sewer, Division street, between Laurens and Wilson streets.

Sewer, Chatsworth Run, at St. Peter street.

Sewer, Uhler's alley, at Hanover and Lombard streets.

Sewer, Schroeder's Run, Carlton street near Saratoga street.

Sewer, Chatsworth Run, Arch street near Vine street.

Sewer, Boston and Leakin streets.

Wooden sewer, north side Pennsylvania Railroad, east side of Broadway.

Drain pipe, southwest corner Race and West streets.

Manhole, northeast corner Davis and Bath streets.

Inlet, southeast corner Centre and Holliday streets.

Inlets, northeast and northwest corners Charles and Lanvale streets.

Inlet, northwest corner Linden avenue and Preston street.

Inlet, southeast corner May street and Central avenue.

Inlet. northwest corner Lexington street and Central avenue.

Inlet, northwest corner Gough street and Central avenue.

Inlet, southwest corner Fawn street and Central avenue.

Inlet, northwest corner Philpot alley and Central avenue.

Inlet, Goodman alley and Cross street.

Inlet, southwest corner Race and Cross streets.

Inlet, northeast corner Cross and West streets.

Inlet, Cross street, between Hanover and Race streets.

Inlet, southeast and southwest corners Hanover and Cross streets.

Inlets, Jefferson street, between Central avenue and Eden streets.

Inlets, northwest corner Bank street and Central avenue.

Inlets, northwest corner Aliceanna street and Central avenue.

Inlet, southwest corner Lexington street and Park avenue.

Inlets, northwest and northeast corners Baltimore street and Central avenue.

Inlet, Pennsylvania avenue and Orchard street.

Inlet, northwest corner Jackson street and Central avenue.

Inlet, northwest corner Calvert and Pratt streets.

Inlet, northwest corner Charles and Read streets.

Inlet, southwest corner Lexington street and Central avenue.

Inlets, northeast and southeast corners Low and Front streets.

Inlet, Greenmount avenue near North avenue.

Inlet, northwest corner Monument and Constitution streets.

Inlet, northwest corner Ann and Lombard streets.

Inlet, northwest corner Bath and Holliday streets.

Inlet, southeast corner Bath and Davis streets.

Inlet, northeast corner Hillen and Front streets.

Inlet, northeast corner Mott and Gay streets.

Inlet, Gay street opposite Mott street.

Inlet, Lombard street and Central avenue.

Inlets, northwest and southeast corners Mulliken street and Central avenue.

Inlet, southeast corner Gough street and Central avenue.

Inlet, Monument street near Spring street.

Inlet, northeast corner East Falls avenue and Pratt street.

Inlet, south end of Gay-street bridge.

Inlet, East Falls and Canton avenues.

Inlet, Broadway and Lancaster street.

Inlet, northeast corner Ann and Gough streets.

Inlet, Gay street and Central avenue.

Inlet, Hammond alley and Central avenue.

Inlet, Lancaster and Patapsco streets.

Inlet, Central avenue and Union alley.

Inlet, southwest corner Pratt street and Central avenue.

Inlet, southwest corner Bank street and Central avenue.

Manhole, Morris alley near McMechen street.

REPORT OF FREDERICK H. SMITH, BRIDGE ENGINEER.

Capt. A. E. Smyrk, City Commissioner:

CAPTAIN—I herewith submit my report for 1893 upon the following city bridge-works:

North avenue, stone bridge over Jones' Falls.

Maryland avenue, steel bridge over Jones' Falls.

Lexington street, steel bridge over Jones' Falls.

Baltimore street, steel bridge over Jones' Falls.

Block street, draw-bridge over Jones' Falls.

Wilkins avenue, old bridge over Gwynn's Falls.

Columbia avenue, old bridge over Gwynn's Falls.

Harman's avenue, old bridge over Gwynn's Falls.

Ridgeley street, old bridge over Chatsworth Run.

Warner street, old bridge over Chatsworth Run.

Ramsay street, stone bridge over Gwynn's Run.

Edmondson avenue, iron bridge over Potomac Railway.

Edmondson avenue, old bridge over Gwynn's Falls.

North Monroe street, steelbridge over Fulton Station.

Fort avenue, new bridge over B. & O. Railway.

Baltimore Belt R. R. Co.'s bridge over and under streets.

NORTH-AVENUE BRIDGE OVER JONES' FALLS.

The work on the west approach referred to in my report for 1892, as being prosecuted by the Baltimore Belt Railway Co., was stopped by them early in the spring for reasons best known to themselves, but apparently not unconnected in some way with the threatened financial stringency, but they continued work on the west abutment until it was completed. We made the payments for this work directly to their contractor, L. B. McCabe & Bro.

Ordinance No. 107, approved May 1, 1893, appropriated $341,000 to construct a stone and brick arched bridge 100 feet wide, and provided that whether the bridge should be constructed by contract or by day's labor all stone should be dressed in Maryland, and all artisans employed should belong to organized labor, if organization existed in their several specialties, under forfeiture of contract and all moneys due.

Careful specifications embodying these and other requirements were issued, and proposals were asked by publication for the furnishing materials and labor, and also for furnishing materials only, all as per schedule included in the specification, and the following bids were opened in public in the Mayor's office, May 5, 1893, for the furnishing of materials and labor:

Jones & Thorne	$364,930
L. B. McCabe & Bro.	319,915
S. Wilson Merritt	318,591

And there were also a large number of proposals for furnishing different portions of the materials that would be required in case we should decide to do the construction by day's labor.

After discussion it was decided to place the whole with a contractor, as there were two proposals within the appropriation, and there was no telling where the day's labor method would lead us to.

Merritt was the lowest bidder, and was entitled to the contract if he could satisfy us under the specification of his financial and other ability to execute the work; also of his existing facilities for promptly quarrying and transporting a sufficient quantity of approved stone to meet the requirements of a rapid execution of the work. I therefore visited his proposed quarries at the Rocks of Deer Creek, on the Baltimore and Lehigh Railroad, and reported that I found no fully opened quarry faces equipped with derricks and other tools for large and quick work; that it would take several months of expensive work to open out such working faces, and I saw no evidences that such stone as I would approve for size and shape would be uncovered in the hill at all, and that the narrow-guage railway did not possess enough rolling stock to handle its regular business promptly, and hence could not be relied on to transport the stone, even if approved stone should be found.

Under this condition of affairs, and as Mr. Merritt had not submitted a preliminary letter from his proposed boudsman as required by the specification, it was decided to reject his offer; and after investigation of the next lowest bidder's quarries at Texas, and his facilities and ability generally, the contract was awarded June 14th, 1893, to L. B. McCabe & Bro., and signed on the 23d with Fidelity and Deposit Company as surety.

This contract is advantageous to the city by reason of the fact that the McCabes have used the white Texas

and Beaver Dam marble in the west abutment, and we will now have the same stone throughout the structure, which would not have been the case if the contract had been placed for Deer Creek stone.

The contractors have prosecuted the work with energy, and have very nearly kept up with the schedule of dates fixed by the specification. The west abutment is finished, also the west pier, also the east pier; and excavation for the foundation of the east abutment has progressed so far as to make it certain that little delay will occur in starting the arch work in the spring.

The falsework or centreing for the west span is nearly completed, and the piles are driven for the middle span and much timber is in place. The piling, etc., for the east span will be begun very shortly, the delay having been caused by the necessity for moving the railway tracks, several of which, especially those of the Baltimore and Lehigh Railroad Company, were found to have been built several feet higher than the requirements of the ordinance under which they were permitted to occupy the city's property with their tracks, and our investigations in this matter have also shown that this company have built a depot on the city's property under the grant to lay tracks.

The Baltimore Belt Railroad Company is exhibiting signs of renewed activity and expect to recommence work on the west approach in a short time, and their

present schedule includes laying tracks across North avenue before next summer. They can only lay two tracks at present, until our temporary bridge is removed, and the laying of these two tracks will cut down the old grade of North avenue about three feet at the Bolton tracks, and from there to the temporary bridge, and will inaugurate what will be the most dangerous grade crossing in the city, and which cannot be abolished for at least a year.

Under the provisions of ordinance we designated early last Spring the north part of North avenue from west of McMechen street to the temporary bridge as the proper temporary location for all street railway tracks during the construction of the west approach, and sent prints of drawings therefor to all the railways interested. The Lake Roland and the City and Suburban Companies very promptly put down tracks in the designated positions, but the Traction Company has so far failed to act, and there have been for several months four lines of rails in that part of the avenue. I presume that when the "Belt" people resume operations on the approach they will get these tracks changed, as it is their business under the ordinance to do so.

The total amount of money expended on North-avenue bridge out of the appropriation of $341,000 is $104,018.50, and the indications are that although we have had to go deeper for some foundations, we will

catch up elsewhere, and will come very close to the appropriation.

MARYLAND-AVENUE BRIDGE OVER JONES' FALLS.

As mentioned in my last year's report the Northern Central Railroad Company secured the right to remove the embankment between their bridge over their tracks and our bridge over Jones' Falls, and to substitute a new bridge over the whole length, to be constructed and maintained by them.

Our old bridge is one of the obsolete, cast-iron, ricketty trusses similar to the old North-avenue and North Charles-street bridges, and is a constant source of anxiety, and a menace to the public safety in spite of the repairs we are continually putting on it.

An ordinance appropriating $20,000 was passed, and I prepared plans and specifications, but under instructions the placing of the contract was held up until the money market worked into better shape. When city stock again became saleable advertisements were issued, and on November 27 the following bids were opened in public:

Pennsylvania Steel Co. Receivers.....	$13,489 00
Edge Moor Bridge Works, Delaware.....	14,400 00
Youngstown Bridge Co., Ohio.....	15,394 00
Campbell & Zell Co., Maryland.....	16,995 08

Pennsylvania Bridge Co., Pennsylvania....	17,332 00
Pencoyd Iron Works.....	17,615 00
Canton Bridge Co., Ohio.....	18,200 00
New Jersey Steel and Iron Co., New Jersey.	18,554 00
King Bridge Co., Ohio.....	18,781 00
Berlin Bridge Co., Connecticut..	19,300 00

The contract was awarded to the receivers of the Pennsylvania Steel Co., through their Baltimore agents, Messrs. R. C. Hoffman & Co., and with the Fidelity and Deposit Co. of Maryland as their bondsmen. The inspector at Steelton, Mr. Edwin Gardner, advises that the work is well in hand in the mill and shops, and the work on the bridge site will be begun shortly by trestling up the old structure. I expect to have an unexpended balance of considerable size left out of the $20,000 appropriated, after paying for the new bridge and shaping the south approach, which will be due to the surprisingly low price to which hard times and competition have driven bridge-builders. The iron materials of the old bridge also belong to the city, and when sold and properly credited will further reduce the cost.

LEXINGTON-STREET BRIDGE OVER JONES' FALLS.

This bridge more fully referred to in my report for 1892, was completed in April, so far as the bridge proper was concerned, but the approaches to it were not completed for several months later.

The appropriation for the entire structure was $35,000, of which $26,381 was paid on the contract, and $5,380.90 for the necessary approaches; including retaining walls to keep our embankments on the south side of the new street from over-running adjoining property. Another retaining wall should be built on the northeast side, but there is a small mistake in the Surveyor's maps upon which the new street was opened, and legal proceedings are spoken of, so I recommend that $500 be retained to build this wall, making $32,261.90 total as the cost of the bridge complete, including approaches, and that the balance of $2,739.10, remaining unexpended out of the appropriation, be transferred to account of the new Ramsay-street bridge.

BALTIMORE-STREET BRIDGE OVER JONES' FALLS.

As stated in my report for last year, a contract for a new bridge to carry the widened and straightened Baltimore-street bridge over Jones' Falls, including the removal of the old bridge and its transport to our Belair lot, was awarded to Campbell & Zell Company of this city for $29,932.

The rolling mill and shop work was sub-let to the Edge Moor Bridge Works of Delaware, and the local, or field work, was prosecuted by the Campbell & Zell Company as rapidly as the bad weather and the great traffic over the bridge would permit. The City Passenger Railway Company had to do a large amount of tedious

work on the iron girders to fit their slots and manholes and other items, and there were many delays connected with getting the right size of paving blocks and cementing them on the bridge, and also many changes of kerbs and pavements, door-sills, coal-holes and other items affected by the new grade.

The total extra work and engineering expenses put on the bridge and its approaches amounted to $3,044.55, which added to the contract price for the bridge proper, aggregates $33,076.55, leaving an unexpended balance of $3,923.45; which balance has been transferred by the City Council to account of Ramsay-street bridge, as stated in my report for that structure.

In designing the structure, I put in a lot of extra steel materials and workmanship to fit it to carry the cable cars and grip of the City Passenger Railway, and we have succeeded in collecting $1,000 from the Railway Company to pay for this extra cost, so that the bridge has actually cost the city only $32,076.55.

This $1,000 was collected too late to get it into this year's financial statement, and I have suggested in my report on Ramsay-street bridge that it be transferred to that account.

The iron materials of the old Baltimore-street bridge are stored in the Belair lot for use in the proposed Edmondson-avenue bridge, as mentioned in my report thereon.

BLOCK-STREET DRAW-BRIDGE, OVER MOUTH OF JONES' FALLS.

This draw-bridge has iron trusses, floorbeams, hand-rails, turntables, etc., and wooden floor joists, floor plank and sidewalks. The iron portions are in reasonably good condition, but the wooden portions need large replacements.

The draw is turned by hydraulic power, the water coming from the city mains through a pipe passing down the face of the retaining wall, thence under the east channel, thence up the crib to the engine-house. This pipe is so located as to have received knocks from vessels carelessly handled, and some months ago I had the hand-power apparatus connected and used for several days while replacing a section of the pipe which had corroded so badly that the leakage absorbed the pressure and the engine failed to turn the draw. I have good reasons for thinking that nearly all the pipe is in bad condition, and we are liable at any time to have the same thing occur, accompanied by the extra cost of keeping three men on duty to turn the draw by hand power.

The draw jammed against the west abutment, and I had nearly an inch cut off the end circles, etc., to clear it for easy closing; and the history of the draw is that this thing has occurred before once or twice, and is not accompanied by any increase in the clearance at the

east end. The only solution is that the west abutment is slowly moving eastwardly, and that we must be prepared to shave off the end circles, little by little, until the movement ceases, as the matter is not at all serious.

I put in a lot of new timbers in the crib carrying the engine house, and at one or two other points, and I find that very much more of the crib timbering is badly decayed, and should be replaced. All the fender piles and guard timbers are badly decayed and are much knocked about, and in their present condition are of very little use in warding off blows from vessels carelessly handled.

I estimate that it will require about $4,000 to put this bridge in really good shape again.

WILKENS-AVENUE BRIDGE, OVER GWYNN'S FALLS.

This is one of the old bridges built by the county and inherited by the city. It is a wooden bridge, nineteen years old, 40 feet wide over all, 440 feet long between abutments, in four spans.

Two of these spans have been trestled up, but the other two, although much patched from time to time, are still acting as arched trusses, but are very shaky. The masonry carrying the bridge is in fairly good condition, and can be reinforced and adapted at reasonable cost to receive an iron bridge.

To fill out any of the spans with embankment would necessitate the abandonment of the present abutment and one or more piers, which could only be re-used as backing; the construction of a much larger abutment, with wing walls to hold back this embankment, and a stout protection wall to hold the slope of the bank against the wash of high water a considerable distance back from the abutment on the up stream side.

It will be cheapest to build a four-span iron bridge there at a cost of $36,000, including repairs to old masonry.

COLUMBIA-AVENUE BRIDGE, OVER GWYNN'S FALLS.

This is the old turnpike bridge on the Washington pike, and was inherited from the county. It is a light wooden bridge, 95 feet span, 15 feet wide, and is a tight squeeze for a hay wagon. The city took off the old housing some years ago and raised the bridge several feet in order to help the very bad grades that formerly existed there, and they also put a narrow foot path along one side of the span. There is now a double track electric railway running cars to within 200 feet of the bridge, but the bridge is not big enough or strong enough to carry them over to the city limits to which they are entitled to go, and the suggestion is made that a new bridge should be built. There are some rights of way or properties to be acquired before a new bridge

of full grown width could be built there, but at present the structure is the worst kind of a choke on all public traffic seeking entrance into the city.

RIDGELY-STREET BRIDGE, OVER CHATSWORTH RUN.

This old bridge is in very bad condition, and should be rebuilt at a cost of about $8,000. It is on the main road to Harman's bridge and the Annapolis road, and is liable at any time to give trouble.

HARMAN'S BRIDGE, OVER GWYNN'S FALLS.

This old pile trestle bridge is in bad shape and continually needing repairs, and it should be rebuilt either on its present location or on a new location more in conformity to the street lines, as all that marsh is being filled up preparatory to the construction of streets, and a roadway running diagonally through the squares would spoil them; and there is also a doubt mentioned as to whether the grant of right of way for a bridge would hold good in case the trestle were filled up.

WARNER-STREET BRIDGE, OVER CHATSWORTH RUN.

An ordinance was before the Council last summer to rebuild this old structure, and I accompanied the Bridge Committee on their trip of inspection. The bridge was found to be in a very dangerous condition, but as inquiry developed the fact that the street had never been deeded or dedicated to the city, the Committee

did nothing further, and the bridge was eventually patched up for temporary service by the Ramsteads and others. It will require about $8,000 to rebuild the bridge in a reliable manner, and something should be done with it, as it is unsafe for passage of fire engines and such like concentrated loads.

RAMSAY-STREET BRIDGE, OVER GWYNN'S FALLS.

Ordinance No. 67, approved March 29, 1893, appropriated $25,000, of which $20,000 was to be used in purchasing materials for and constructing, by day's labor, a brick and stone arched bridge of 40 feet span, to carry Ramsay street 66 feet wide over the valley of Gwynn's Run, adjoining Wilkins' curled hair factory, the remaining $5,000 to be paid to Wilkins' estate when they filled in about 30,000 cubic yards of embankment constituting the approaches to the new bridge, and also deeded to the city the bed of Ramsay street for a length of nearly 3,000 feet.

My estimate of cost of the bridge was based on about 1,850 cubic yards of brick and stone masonry, at about eleven dollars per yard, on the reasonable supposition that as rock appeared in place in the bed of the run immediately above and below the line of the street, it would also be found at very shallow depth at the bridge, and that the old sewer leading from Frederick road under the Wilkins' property to an outlet behind

the proposed west abutment would need very little reinforcement and extension to carry the new embankment.

As a matter of fact, the bottom turned out to be a mass of loose rocks in sand and gravel with not enough clay to hold out the water. We had to excavate this material to an average depth of more than six feet below the water level to reach a reliable foundation, and to keep pumping much of the time, and we had to entirely rebuild the sewer.

The new masonry actually now in the sewer and bridge up to the grade line of the street is 2,735 cubic yards, which, with the parapets so far as cut, have cost $27,695.50; the cutting of the rest of the parapets and the setting will cost about $1,300 more, making the total cost of the bridge alone $29,000, or $4,000 more than the total $25,000 appropriated for the bridge and its embankments.

To meet this extra cost the Mayor and City Council passed Ordinance No. 2, dated November 16, 1893, transferring the unexpended balance of $3,923.45 left over from the construction of Baltimore-street bridge to Ramsay-street bridge; and I recommend the further transfer of whatever balance is left unexpended from Lexington-street bridge, and enough out of the unexpended balance which will be left over from the new

Maryland-avenue bridge, to Ramsay street, to meet the payment of $5,000 which will become due the Wilkens estate when they fulfill their part of the contract.

This Ramsay-street bridge is about the same class of structure as the Eager-street arch over Jones' Falls, and will cost nothing for repairs; and if the above-suggested transfers of unexpended balances are made, (or perhaps the $1,000 collected from the City Passenger Railway and turned into the treasury from Baltimore-street bridge account), the general bridge account of the city will not exceed the appropriations heretofore made.

EDMONDSON-AVENUE BRIDGE, OVER B. AND P. RAILROAD.

It was found to be practicable to so arrange plans for rebuilding Edmondson-avenue bridge as to utilize the three trusses of the old Baltimore-street bridge, and add to them two similar ones slightly heavier, and thus get a bridge the full one hundred feet width of the avenue and with its abutments on city property, and with the electric cars separated from the driveways.

An ordinance (No. 73) was drawn up appropriating $30,000 for this work, and was passed and approved April 10, 1893, and the office-work necessary before calling for proposals for contracts was nearly completed, but the financial stringency caused postponement of the work until next season. Matters are now in shape for calling for proposals in the early spring, and it is

recommended to push the work, as there are indications that a Washington boulevard and railway may want to increase the traffic very heavily over that bridge in the near future.

EDMONDSON-AVENUE BRIDGE, OVER GWYNN'S FALLS.

At the request of parties connected with a proposed Baltimore, Catonsville and Ellicott Railroad Company, a committee of councils visited Edmondson avenue in the Annex, and after examination I reported that the city's large composite bridge over Gwynn's Falls was in fairly good condition, and would, with some changes in floor system, safely carry the proposed railway service. I also advised against attempting to raise the bridge to a higher grade unless it was rebuilt with new timbers in the compression members, and I pointed out what would be a reasonable plan for reducing the objectionable grade.

NORTH MONROE-STREET BRIDGE, OVER B. & P. R. R. AND WESTERN MARYLAND R. R.

During the early part of the year several meetings were held with the officers of the Baltimore and Potomac and Western Maryland Railroad concerning the best design for this structure, upon the admitted basis that the Western Maryland Railroad had already been paid for the damages it would sustain when the street was condemned across its property, and that the Baltimore and Potomac Railroad was liable to be called upon

to construct a tunnel under the street as per the ordinance under which the railroad entered the city.

As about one-half the track room to be crossed belonged to each railroad, and the tunnel plan would close up valuable parts thereof, we settled on a plan for a steel bridge, in two spans of about ninety feet each, resting on stone abutments at each end, and an iron pier in the center, which pier was to be made as far as practicable out of the old iron pier columns from North-avenue bridge.

The estimated cost of the structure is $26,460.00, and of this amount the city is to pay 48 per cent, and the Baltimore and Potomac Railroad Company is to pay 52 per cent, and with the assistance of Counsellor Bernard Carter for the railroad company, and City Solicitor Bryan for the city, Ordinance No. 93 was drawn up, passed by the Council and approved by the Mayor, April 24, 1893.

The financial stringency during the year has prevented any progress with this work, but it is expected to put it under contract in the Spring, and in the meantime I have had three pier columns hauled over from North avenue and placed on the ground on Monroe street in a convenient place for use.

FORT-AVENUE BRIDGE, OVER B. & O. R. R.

This structure has been entirely rebuilt by the Baltimore and Ohio Railroad Company, in accordance with

the arrangement made with them and more fully explained in my report to you for 1892. It is now in much better shape and more conveniently arranged for all kinds of public use and traffic than before, and is to be maintained by the Baltimore and Ohio Railroad Company.

BALTIMORE BELT RAILROAD BRIDGES.

Under date of March 1st, 1893, you instructed me to take charge of the city's interests in connection with the construction of the Belt Railway Company's bridges over or under our streets, and at my request their Chief Engineer, William T. Manning, sent me for examination and approval tracings of all work then in hand, and since then, from time to time, as others were put in shape, and I have approved plans for all their bridges now except that over Quaker lane and that over the Falls road, both of which are in due course.

The Lee-street foot-bridge is up and has been of great service to the people in that locality, and the new bridge at Barre street is expected to be in place soon. I disapproved of the use of certain long girders only 3 feet deep to carry Howard street at its intersection with Liberty, and the company changed these into 4-feet girders, which I approved.

Very respectfully,

FREDERICK H. SMITH,

Bridge Engineer.

SEWERS.

The report of Mr. Charles P. Kahler, Assistant City Commissioner, shows the location, character and amount of work done in the construction of the various sewers. It embraces a description of everything connected with this character of work of which he had charge.

I have always felt it a matter of congratulation that upon taking charge of this department I had the good judgment to select him to plan and construct this work. He is an experienced Civil Engineer, and as an expert in handling storm-water and drainage cannot easily be excelled. He has made a success of all work of this character that has been placed in his charge. The instructions I gave him, when placing this work in his hands, have been implicitly carried out, and he has shown himself well qualified to solve some problems which have been difficult to arrive at under the system which has been generally adopted in the past. In my opinion the means by which a proper understanding of so important a matter may be arrived at are the accurate calculations of the acreage of the districts to be drained, and basing the capacity of the sewers to be constructed upon the average heaviest rainfall in a given time, which it is possible to obtain from official sources, and also the velocity of the currents of storm-water, in accordance with the topography of the district discharging its waters into the sewers.

A sufficient capacity of these necessary conduits for relieving certain districts from flood during heavy rain-storms should at all times be provided for. This, I regret to say, was not at all times in years past taken into consideration so far as the construction of sewers in this city was concerned. Had this been done a great deal of this work now being constructed would not have been required. Another important feature which should never be lost sight of is the proper construction of a work of this character to insure durability, which can only be arrived at by the most careful selection of materials for construction, aided by the best mechanical skill and intelligent and concientious supervision.

All sewers, be they of greater or lesser capacity, should be so constructed as to resist the ravages of time, and be made to last as long as the city itself, and always with a view to what is frequently spoken of, namely, a general sewerage system. Indeed, all work noted in this report, was planned and constructed strictly with a view to this end, and may be considered as auxiliary to any general system which may be adopted in the future.

As some unfavorable comments have from time to time been made of what has been called tardiness on the part of this department, particularly in regard to the construction of the Bush-street sewer, I would say that this latter is of such magnitude and importance

that it could not be properly done in a shorter period. I therefore feel assured if a practical view be taken of the whole situation, those who have been the most energetic in their comments, had they taken the trouble to carefully examine the vast amount of work done, in combination with the work on Bush-street sewer, would have reached a different conclusion, and would be constrained to say that all which was possible has been done in this matter.

I believe it is possible, and also probable, that this sewer will be completed within the limited time prescribed.

For a careful and exhaustive report upon the various sewers finished and unfinished during the past year, as mentioned below, it is only necessary to refer to the report of Assistant City Commissioner Kahler, which is appended to my report.

Bush-street sewer.
Fulton avenue, Eagle and Monroe-street sewer.
Carey and Calhoun-street relief sewer.
Eutaw and Fremont-street intercepting sewer.
Penn-street sewer.
North and Druid Hill-avenue intercepting sewer.
Hoffman-street sewer.
East Federal-street sewer.
Lateral branch of Race-street sewer.
North Charles-street sewer.

REPORT OF CHARLES P. KAHLER, ASSISTANT CITY COMMISSIONER.

A. E. SMYRK, ESQ.,

City Commissioner:

SIR—I have the honor to submit the following report, showing the location and nature of the work done during the past year on the various sewers, etc., under my charge and supervision.

The accompanying table, furnished from the records of the Weather Bureau in this city, shows the amount of rain which fell the past year:

1893.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Number of days.	8	14	11	15	14	14	11	6	8	9	11	11	132
Number of inches.	1.78	4.43	1.38	3.53	3.78	2.26	1.88	1.81	1.80	3.44	3.78	2.29	32.16

NEW SEWERS AND INLETS.

The work done in accordance with the ordinances and resolutions of the Mayor and City Council is as follows:

Bush-Street Sewer.

This sewer, when completed, will extend from Ranstead's dock at the head-waters of the middle branch of the Patapsco river, northwesterly in the bed of Bush

street to James street, at a point where Calhoun street, if it were extended south from the north side of the Baltimore & Ohio Railroad tracks, would intersect James street; thence northerly in the line of said Calhoun street to Herkimer street, thence northeastly in the bed of Herkimer street to Wooster street; thence northerly to connect with the old Schroeder's-run sewer, at the south side of the Baltimore & Ohio Railroad bridge over Carey street.

It will consist of three sections; the first, or southern section, having a span of 25 feet wide by 9 feet high, 2,196½ feet long, with a grade of five-tenths of a foot per 100 feet; the second, or middle section, a span of 19 feet wide by 10 feet high, 1,108½ feet long, with a grade of five-tenths of a foot per 100 feet; and the third, or northern, a span of 17 feet wide by 10 feet high, 1,722 feet long, with a grade of sixty-five-hundredths of a foot per 100 feet, making a total of 5,027 feet.

A full description of piling and timber platform for the foundation of this sewer was given in last year's report.

The trench, 40 feet wide by an average depth of about 12 feet, has been opened for a distance of 1,249 feet.

The timber platform has been laid in trench for a distance of 1,055 feet.

The two stone abutments, seven feet thick and four feet high to the springing line of the arch, with the skewback stone set thereon for the arch, have been completed, on the timber platform, for a distance of 1,052 feet.

To facilitate the construction of these abutments I had a traveling derrick constructed. After sixty feet of the abutments were built, two rails of heavy railroad pattern were laid, one on each abutment, forming a track thirty-two feet wide. On this six cast-iron flange wheels, twenty-two inches in diameter, were placed, three on a side, carrying the timber platform forty feet long by thirty-six feet wide, together forming a large truck on which the derrick, with the hoisting engine, the boiler and all the appurtenances thereto were placed, and all moved forward as the work progressed. This derrick came fully up to my expectations, and has proved invaluable on account of the ease and economy with which the heavy material used in constructing this work can be handled.

The invert in the second section to the height of two feet three inches, and in the third, to the height of two feet above the grade line of the sewer, consists of granite blocks, nine inches thick, laid in the best Portland cement.

The balance of the inverts of both sections are of brick, two rings, nine inches thick, laid in good hydraulic cement.

The arches are of brick, four rings, eighteen inches thick and backed up with a sufficient amount of rubble-stone masonry to prevent their giving way or settling; all being laid in good hydraulic cement.

Commencing at a point ninety-three feet southeast from the southeast kerb of Washington avenue, the trench in the northwest end of the second section was opened twenty-nine feet wide by an average depth of eighteen feet, for a distance of 145 feet to the beginning of the third section; and in the third section twenty-six feet wide by an average depth of sixteen feet, for a distance of 919 feet, making a total of 1,064 feet of trench excavated.

The rubble-stone cradle has been completed in the second section for a distance of 145 feet to the beginning of the third section, and in the third, for a distance of 836 feet, making a total of 981 feet.

The invert and arch, with its stone backing, have been completed in the second section for a distance of 145 feet to the beginning of the third section, and in the third section, for a distance of 804 feet; a total of 949 feet.

In the west side of the third section, at the intersection of James and Bush streets, a connection for a sewer six feet six inches in diameter was constructed to receive the water of Carroll's run from the northwest,

similar in character to those in Eutaw and Fremont streets intercepting sewer near Columbia avenue, and the Carey and Calhoun streets Relief Sewer in Carey street, south of Ramsay street.

A full description of the troubles and difficulties overcome, and the manner of providing for the water encountered in all the sections of this work, both in the trench and Carroll's run, was given in last year's report.

FULTON AVENUE, EAGLE AND MONROE-STREETS SEWERS.

Fulton avenue not being opened farther south than the Baltimore & Ohio Railroad Company's property, right of way was granted by the said company to the city to construct this sewer through their property.

This sewer, with its lateral branch, has been completed.

The main section extends from a point on the northeast side of Gunpowder street, seventy-four feet northeast of the northeast corner of Carroll Park, southwesterly in Ohio avenue along the south side of the Baltimore & Ohio Railroad tracks, 368 feet to Fulton avenue, thence northerly in Fulton avenue, westerly in Eagle, and northerly in Monroe street, to McHenry street.

The lateral branch extends in Fulton avenue from Eagle to Monroe street.

Wing walls, a parapet wall of rubble-stone masonry and a timber apron fifteen feet in length by nine feet in width in the clear were constructed at the out-fall of this sewer. A full description of which, as well as some of the difficulties encountered in the construction of this sewer, was given in last year's report.

The sewer is circular in shape, and, where necessary, the invert was built in a cradle of rubble-stone masonry, and the arch backed up with the same material to sustain it.

The invert, to the height of one-fourth of the diameter of the sewer, consists of granite blocks nine inches deep, laid in the best Portland cement. The balance of the invert and the arch are of brick, two rings nine inches thick, laid in the best American hydraulic cement.

The sewer has a drop of six feet below the grade line to the apron at its outfall.

A portion, about forty feet in length, of the small brick sewer, three feet three inches in diameter, belonging to the Baltimore & Ohio Railroad Company, being too small and in the way of the construction of the new sewer was torn out. The portion of it remaining was connected with the new sewer, about one hundred and ninety-five feet southwest from its outfall.

About one hundred and forty feet of this work, by an average depth of twelve feet under the fourteen tracks of the Baltimore & Ohio Railroad Company, with the heavy freight trains constantly passing over them, had to be constructed the same as by tunnel, and timbered in nearly the same manner.

At the different street intersections along the line fifteen openings were left with which to connect inlets with the sewer in the future.

There were constructed in the main sewer eight manholes, about equal distances apart, also inlets and their connections with the sewer at the following-named intersections: Two at Fulton avenue and Eagle street; one at Addison alley and Eagle street; two at Wilkens avenue and Monroe street, including one double inlet; two at Ramsay and Monroe streets, and two at McHenry and Monroe streets, including one double inlet. In the lateral branch there were constructed two manholes and one double inlet on the northwest corner of Fulton avenue and Ramsay street.

The intersections of Fulton avenue and Eagle street, Wilkens avenue and Monroe street, Ramsay and Monroe streets and McHenry and Monroe streets were all torn out and readjusted, the cross-gutters being removed from these streets.

In excavating the trench a variety of material, with

a considerable amount of water was encountered in the bottom, at some points soft loam, some clay, and at others, rotten rock.

There being no other outlet for the water from the district to be drained by this sewer, except over the surface of the streets in which it and its lateral branch were constructed, in only a moderate rainfall these streets would be filled with water and the work oftentimes flooded, causing considerable inconvenience and damage to it.

Appended will be found a compiled table giving the sizes, lengths and grades of the main sewer, with its lateral branch, also, all inlet connections:

Location.	Sections.	Radius of Curve.	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.	Grade per 100 Feet.
In Ohio avenue	Straight.	.....	5 9	344 9	.....	1.964
" " "	Curve...	35 ft.	5 9	41 7	.....	1.964
Under B. & O. R. R. tracks	Straight.	.....	5 9	185 10	.....	1.964
In Fulton avenue	Curve...	40 ft.	5 9	31 1	.....	1.964
" " " to Eagle street.	Straight.	.....	5 9	218 2	.....	1.964
Intersection Fulton and Eagle sts.	Curve...	40 ft.	5 9	62 10	884 3	1.964
In Eagle street	Conical..	.....	5 9 to 5 0	6 0	6 0	1.50
" " " to Monroe street.	Straight.	.....	5 0	405 3	.....	1.50
Intersection Eagle and Monroe sts.	Curve...	40 ft.	5 0	62 11	468 2	1.90
In Monroe street	Conical..	.....	5 0 to 4 6	6 0	6 0	1.90
" " " to Wilkens ave.	Straight.	.....	4 6	373 2	373 2	1.90
" " "	Conical..	.....	4 6 to 4 0	6 0	6 0	1.90
" " " to Ramsay st..	Straight.	.....	4 0	361 11	361 11	1.90
" " "	Conical..	.....	4 0 to 3 6	6 0	6 0	1.75
" " "	Straight.	.....	3 6	40 0	.....	1.75
" " " to McHenry st.	Straight.	.....	3 6	358 2	398 2	1.459
					2,509 8	

LATERAL BRANCH.

Location.	Sections.	Radius of Curve.	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.	Grade per 100 Feet.
Intersection Fulton and Eagle sts.	Straight.	.....	3 0	6 3	.....	4.56
" " "	Curve...	15 ft.	3 0	10 5	.....	4.52
" " "	Straight.	.....	3 0	24 0	.....	7.00
" " "	Curve...	15 ft.	3 0	4 2	.....	8.252
Fulton ave. north of Eagle st...	Straight.	.....	3 0	18 0	.....	8.252
Fulton ave. to Ramsay st.....	Straight.	.....	3 0	747 10	.....	2.678
					810 8	

INLET CONNECTIONS—MAIN SEWER.

Character of Material	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.
Brick	2 0	69 3	.....
Cast-iron pipe.....	2 0	24 0	93 3
" "	1 8	120 10	120 10
			214 1

INLET CONNECTIONS—LATERAL BRANCH.

Character of Material	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.
Brick	2 0	12 0	12 0
Cast-iron pipe.....	1 8	12 6	12 6
			24 6

CAREY-STREET RELIEF SEWER.

This sewer, which has been constructed to relieve the old Carey and Calhoun streets sewer, by intercepting all the drainage flowing to it from the west, extends from a point in the bed of Carey street, north of the Baltimore & Ohio Railroad bridge over Carey street; thence in the bed of Ramsay, Calhoun and Lanvale streets to a point about twenty-five feet west of the west building line of Calhoun street—a total distance of 5,822 linear feet.

The sections of sewer, as built in open cut and tunnel, and the difficulties encountered and overcome in their construction from the point of beginning to the south side of Edmondson avenue, were fully given in detail in last year's report.

There were constructed during the past year in the bed of Calhoun and Lanvale streets, from the south side of Edmondson avenue to a point in Lanvale street west of Calhoun street, 948½ linear feet, of which 887 linear feet consisted of a section five feet nine inches in diameter, with a grade of one and forty-four one-hundredths feet per 100 feet; the balance, 61½ feet of a section four feet nine inches in width by five feet three inches in height, six inches of the vertical height being a tangent between the semi-circular invert and arch, each with a radius of two feet four and one-half inches, and with a grade of two feet ten inches per 100 feet.

The ground from franklin street to the north of Lanvale street on which Calhoun street was laid out, was originally very swampy and was filled in to a height of from ten to twelve feet to the established grade of the street. In consequence of these conditions, this filled-in ground being full of water and very soft and treacherous, and on account of the close proximity of the old sewer to the new one in Calhoun street, paralleling it from Franklin to Lanvale streets, every precaution had to be taken to properly timber the trench and get a secure foundation.

A strong cradle of rubble-stone masonry was constructed the whole length of the sewer to support the invert, and the arch was backed up with the same material to prevent it from settling or giving way, all being laid in the best hydraulic cement.

Notwithstanding the many difficulties encountered, the work progressed satisfactorily to completion without any accident. The inverts of the sections to the height of one-quarter of the diameter of the sewer were built with large granite blocks nine inches deep, from six to six and one-half inches wide and an average length of twelve inches, all laid in the best Portland cement. The balance of the inverts and arches were built of brick, nine and thirteen and one-half inches thick, respectively. There were built in connection with these two sections of sewer seven inlets in the following inter-

secting streets: Calhoun street and Harlem avenue, Calhoun and Rice streets, and Calhoun and Lanvale streets. There were also constructed four man-holes at about equal distances apart. Of the three lateral branches built and connected with this main sewer, the first, extending westerly in Baltimore street from Calhoun street, and the second, westerly in Franklin street to Gilmor street and northerly in Gilmor street to Edmondson avenue, each has been fully described in last year's report. The third, which extends westerly in Saratoga street from Calhoun to Gilmor street, was completed the past year; it is 832⅓ feet long, of cast-iron pipe 24 inches in diameter.

Six inlets were connected with this lateral branch, two at Calhoun and Saratoga streets, two at Stricker and Saratoga streets, and two at Gilmor and Saratoga streets; also, three man-holes. At all of the above-mentioned intersections the street was torn out and remodeled, and the cross gutters all removed.

Appended will be found a complete table giving the sizes, lengths and grades of the main sewer, with its lateral branches; also, all inlet connections and number of man-holes.

MAIN SEWER.

Location.	Sections.	Radius of Curve.	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.	Grade Per 100 Feet.
New connection of Carey-st. sewer with old Schroeder's run sewer in Carey street opposite Ramsay street ..	Straight.....	.....	7 0	20 0	.....	0.50
	Curve.....	25 ft.	.....	5 10	.....	.....
	Straight.....	.....	.....	77 0	.....	.....
	Curve.....	30 ft.	.....	7 0	109 10	.....
Carey and Ramsay streets.....	No. 1 Curve..	50 "	.....	78 11	.....	1.53
In Ramsay street.....	" Straight	.....	.....	300 8	.....	1.98
" " and Calhoun streets.	" Curve..	50 ft.	.....	78 6	.....	.....
" Calhoun street.....	" Straight	....	.....	1,389 9	.....	.....
" " " south of Hollins street.....	" Curve..	50 ft.	.....	12 3	.....	.....
In intersection Calhoun and Hollins streets.....	" Straight	.....	.....	19 10	.....	.....
In Calhoun street, north side Hollins street.....	" Curve..	50 ft.	.....	12 1	.....	.....
In Calhoun street.....	" Straight	.....	.....	337 1	2,229 1	.....
In Calhoun street, south side Baltimore street.....	No. 2 Conical.	.....	7 0 11 10x7 2	12 9	12 9	

In Calhoun street, to north side Baltimore street	No. 3	Straight		6 6	70 9		
In tunnel, Calhoun st., Baltimore st. to south side of Franklin st.	"	"			1,961 4		1.00
In Calhoun street, south side Franklin street	"	Curve	50 ft.		17 0		
In Calhoun street, intersection Franklin street	"	Straight			16 4		
In Calhoun street, intersection Franklin street	"	Curve	50 ft.		17 0		1.444
In Calhoun street, intersection Franklin street	"	Straight			8 0	2,090 5	
In Calhoun street, north side of Franklin street	No. 4	Conical		6 6 x 5 9	8 0	8 0	1.444
In Calhoun street, Franklin st. to Lanvale street	"	Straight		5 9	1,302 6	1,302 6	
In Calhoun street, north of south building line of Lanvale st.	No. 5	Conical	30 ft.	5 9 4 9 x 5 3			
In intersection of Calhoun and Lanvale streets	No. 6	Curve		4 9 x 5 3	8 0 47 1	8 0 47 1	2.833
In Lanvale st., west of Calhoun st.	No. 7	Conical		4 9 x 5 3 4 9	8 0	8 0	
In Lanvale st., west of Calhoun st.	No. 8	Straight			6 3	6 3	
						5,821 11	

No. 1 LATERAL BRANCH, BALTIMORE STREET.

Location.	Sections.	Radius of Curve.	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.	Grade per 100 Feet.
In intersection of Calhoun and Baltimore streets...	No. 1 straight.	24 ft.	4 0	23 5	.....	3.68
In intersection of Calhoun and Baltimore streets...	" curve...	.....	....	25 6	48 11	.....
					48 11	

No. 2 LATERAL BRANCH, BALTIMORE STREET.

Location.	Sections.	Radius of Curve.	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.	Grade per 100 Feet.
In intersection of Calhoun and Saratoga streets....	No. 1 straight.	.....	Cast-iron pipe 24 in.	6 2	.....	.....
In intersection of Calhoun and Saratoga streets....	" curve...	12 ft.	Brick 24 in.	6 3	12 5	2.564
In Saratoga street, west of Calhoun street.....	" straight.	.....	Cast-iron pipe 24 in.	118 5	.....	2.564
In Saratoga street to north side of Stricker street...	" "	.....	Cast-iron pipe 24 in.	272 1	.....	3.155
In Saratoga street to north side of Stricker street...	" "	.....	Brick 24 in.	8 0	.....	.....
In Saratoga street to intersection of Gilmor street.	" "	.....	Cast-iron pipe 24 in.	388 11	.....	3.375
In intersection Saratoga and Gilmor streets.....	" curve...	8 ft.	Brick 24 in.	22 6	.....	.....
In Gilmor Street, north of Saratoga	" straight.	.....	" "	10 0	819 11	.....
					832 4	

No. 3 LATERAL BRANCH—FRANKLIN AND GILMOR STREETS.

Location.	Sections.	Radius of Curve.	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.	Grade per 100 Feet.
In intersection of Calhoun and Franklin streets	No. 1 Straight		Cast-iron Pipe 24 in	33 10		5.14
In Franklin st. west of Calhoun.	" Curve	15 ft.	Brick 24 in.	9 6		
" " " "	" Straight		Cast-iron Pipe 24 in	23 8		
" " " "	" "		Cast-iron Pipe 24 in	48		8.95
" " " "	" "		Cast-iron Pipe 24 in	289 2		4.68
" " " "	" "		Brick 24 in.	7		4.994
In Franklin street from Stricker to Gilmor street	" "		Cast-iron Pipe 24 in	390 8		
In Franklin street from intersection of Gilmor street	" "		Brick 24 in.	12 7		
In Gilmor st. to Edmondson ave.	" "		Cast-iron Pipe 24 in	432 8	1247 1	1.29
					1247 1	

INLET CONNECTIONS—MAIN SEWER.

Character of Material	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.
Brick	2 0	188 00	.....
Cast-iron pipe.....	.....	18 03	206 03
" "	1 8	167 03	167 03
" "	1 4	16 09	16 09
			390 03

INLET CONNECTIONS—LATERAL BRANCHES.

Character of Material	Diameter in Feet and Inches.	Length in Feet and Inches.	Total Length in Feet and Inches.
Brick	2 0	102 02	102 02
Cast-iron pipe.....	1 8	80 05	80 05
			182 07

MAN-HOLES.

In Main Sewer fifteen, with an average depth in tunnel of twenty-seven feet, and in open cut seven feet six inches.

In Lateral Branches seven feet, with an average depth of nine feet.

Eutaw and Fremont-Streets Intercepting Sewer.

This sewer, which could not be completed until the construction of a part of the Penn-street sewer has been completed from a point in Fremont street, twelve feet five inches south of the south kerb-line of Columbia avenue, a distance of eighty-eight feet five inches, having a grade of six inches per hundred feet, to connect with the Penn-street sewer at a point seventy-five feet one inch north of the south kerb-line of Columbia avenue.

All excavations twenty-eight feet wide, with an average depth of ten feet, had to be made for a distance of eighty-eight feet five inches.

This section of sewer has been constructed as follows: The bottom having the form of an inverted arch, rising six inches from the centre to the abutments, consists of granite blocks nine inches deep, laid in the best Portland cement on a bed of concrete, averaging from six to twelve inches thick, according to the character of the soil.

Excavation was made for the foundation of the abutments to the depth of two feet below the top of the blocks. In this excavation the foundations were constructed of good rubble-stone masonry to the top of the blocks. The abutments, consisting of good rubble-stone masonry, laid in the best American hydraulic cement, were constructed four feet ten inches thick to a height of six and one-half inches.

The balance of the abutments were constructed four feet one inch thick, of good rubble-stone masonry, laid in the best hydraulic cement, to the spring-line of the arch to a height of one foot six and one-half inches above the top of the blocks, leaving an offset of nine inches back from the face of the abutment, on which to build a brick lining two bricks nine inches thick. This brick lining was constructed to save dressed stone, and at the same time to present a smoother surface to the water.

The arch is semi-elliptical, having a span of eighteen feet and a rise of two feet eleven and one-quarter inches above the spring-line, and is built of four rings of bricks eighteen inches thick, laid in the best hydraulic cement.

The arch is backed up with sufficient rubble-stone masonry to sustain it.

The construction of this section of sewer was tedious,

as the tracks of the City and Suburban Railway on Columbia avenue had to be secured by stringers and braces so as to maintain travel.

The sewer is eighteen feet wide, and in the centre seven feet three inches high, to the intrados of the arch.

A connection was constructed in the bed of Fremont street to connect the old Fremont-street sewer with the new section.

The angle of intersection of this connection with the main sewer is thirty-one degrees, it being eighteen feet wide by five feet high.

At the south side of this opening, at the intersection of the west side of the Eutaw and Fremont streets intercepting sewer, with the west side of the old Fremont-street sewer, a cut-stone abutment was constructed one foot six and one-half inches above the top of the granite blocks in bottom of sewer.

At the north side of this opening at the intersection of the west side of the Eutaw and Fremont streets sewer a cut-stone pier was constructed one foot six and one-half inches above the top of the granite blocks in bottom of sewer.

On the above-described abutment and pier a casting was set forming an irregular shaped arch, having a rise of three feet five and one-half inches and a span of eighteen feet over the opening.

This casting being so shaped as to form an exact skewback at every point on it for the arch of the main sewer, and to permit the arch of the Fremont-street sewer to exactly abut against it at every point. The intrados of the irregular arch, and the intrados of the main sewer and the intrados of the Fremont-street sewer forming a clean, smooth surface.

A section of sewer, elliptical in shape, eight feet wide by five feet high and fifty-seven feet long was constructed from this connection north in the bed of Fremont street to connect the old Fremont-street sewer with the main sewer.

The bottom of this section consists of granite blocks laid in the best Portland cement in a cradle of rubble-stone masonry. The balance of it and its arch are of brick backed up with sufficient masonry to sustain it; all being laid in the best American hydraulic cement.

The grade of this section of sewer is one and forty-one hundredths feet per hundred feet.

The construction of this section of this sewer was both troublesome and difficult, from the fact that the old Chatsworth-run sewer had to be torn out and the larger new section built in its place, as well as the portion of the old Fremont-street sewer which had to be torn out and a section constructed to connect it with the new sewer. There was always a heavy flow of water

through both of these sections, all of which had to be taken care of.

At times, even in a light rain fall, the water would rise and flood the work, causing considerable delay, and sometimes injury to it.

PENN-STREET SEWER.

This sewer, which is nearly completed, except about fifty feet six inches at the north end, has been constructed from the Eutaw and Fremont streets intercepting sewer in Fremont street, at a point seventy-five feet one inch north of the south curb line of Columbia avenue, in the bed of Penn street, and will be connected with the Penn-street section of Chatsworth-run sewer, between Portland and Dover streets.

The remainder of the old sewer in the intersection of Fremont street and Columbia avenue has been torn out, and a connection made with the Penn-street sewer by a section two feet wide by four feet high and twenty-eight feet long, constructed under the sidewalk along the northeast curb of Fremont street.

An excavation twenty-eight feet wide, with an average depth of twelve feet, has been made to a point ninety-eight feet north of the north curb line of Portland street—a distance of six hundred and seventy-five feet six inches.

The character of the soil in the bottom was found to contain a great amount of mica, and as springs were encountered, it was found necessary to put in a bed of concrete, nine inches deep for the foundation of the granite block bottom, and to a greater depth to obtain a secure foundation for the abutments.

The sewer has been constructed as follows: The bottom, having the form of an inverted arch, rising six inches from the centre to the abutments, consists of granite blocks nine inches deep, laid in the best Portland cement on a bed of concrete averaging from six to twelve inches deep, according to the character of the soil.

Excavation was made for the foundation of the abutments to a depth of two feet below the top of the blocks. In this excavation the foundations were constructed of good rubble-stone masonry, laid in the best American hydraulic cement to the top of the granite blocks.

The abutments, consisting of good rubble-stone masonry laid in the best American hydraulic cement, were constructed four feet ten inches thick to a height of six and one-half inches.

The balance of the abutments, four feet one inch thick, were constructed of good rubble-stone masonry laid in the best American hydraulic cement to the

spring line of the arch to a height of one foot six and one-half inches above the top of the blocks, leaving an offset of nine inches back from the face of the abutments on which to build a brick lining two bricks nine inches thick. This brick lining was constructed to save dressed stone, and at the same time to present a smoother surface to the water. The arch is semi-elliptical, having a span of eighteen feet and a rise of two feet eleven and one-quarter inches above the spring line, and consists of four rings of bricks, eighteen inches thick, laid in the best American hydraulic cement, and backed up with sufficient rubble-stone masonry to sustain it.

The sewer is eighteen feet wide, and in the centre seven feet three inches in height to the intrados of the arch.

It will be 689 feet 6 inches in length, with an average grade of seven hundred and ninety-seven thousandths feet per 100 feet.

It has been completed for a distance of 639 feet.

Openings have been constructed along the line of this sewer, through which the water is discharged into it from the inlets, as follows: One on the east side of sewer at Penn street and Bankard alley, (a twelve-inch terra-cotta pipe being put in on the west side at this same intersection), two at Penn and Haw streets, and two at the centre of Portland and Penn streets.

There have been constructed two trap inlets, one at the northwest and the other at the northeast corners of Penn and Portland streets. Three man-holes have been constructed about equal distances apart.

The work of constructing this sewer was both difficult and dangerous, on account of the character of the soil through which it was built and the limited space in which we had to work, and also the miserable manner in which the old stone Chatsworth-run sewer had been built, and the heavy flow of water through it. The house standing at the northwest corner of Penn and Portland streets was built partly on this old sewer. When reaching the north curb line of Portland street at Penn street we came in contact with it. Every precaution had to be taken in tearing it out, with the heavy flow of water passing through it, to properly timber it to prevent accidents.

It had been so poorly constructed that when the earth was removed from around it it would have fallen in if proper precautions had not been taken to secure it.

As it was the men were in constant danger while working about it, and I did not feel easy until it had all been torn out and the new work in place.

NORTH AND DRUID HILL AVENUES INTERCEPTING SEWER.

This sewer is being constructed from a point in the west side of Jones' falls, north of North-avenue bridge,

through the Northern Central Railway Company's property and under their tracks to North avenue; thence Westerly in the bed of North avenue to Park avenue; thence southerly in the bed of Park avenue to Laurens street, and thence southwesterly in the bed of Laurens street to Druid Hill avenue, where it will connect with the old sewer in Druid Hill avenue north of the north side of Laurens street.

This sewer, when completed, will entirely relieve from overflow all the section of the district now drained by the old McMechen-street, Morris-alley, Wilson-street and Druid Hill-avenue sewer, which is entirely inadequate for the purpose; the street oftentimes overflowing and the property flooded during heavy rainfalls. It will also provide an outlet for the discharge of all the water from that section of the district north of North avenue to Druid Hill Park, and west from Mount Royal Terrace to McCulloh street—a great portion of which now discharges over the surface of North avenue to the falls.

A connection was constructed at the intersection of North and Park avenues for a lateral branch to be constructed west from this point in North avenue.

The total length of this sewer when completed will be about 4,472 feet, of which about 2,835 feet will be in tunnel and 1,637 feet in open cut.

The sewer has been completed from the Falls to a

point in North avenue about 65 feet east of the east building line of John street, a distance of 1,461 linear feet, of which 127½ feet were built in tunnel and 1,333½ feet in open cut, including three vertical drops, a detailed description of which was given in last year's report.

Drop No. 3 was completed. It is constructed upon the same plan as the previous one, with the exception of the height—namely, eight feet square—its sides lined with heavy rock-faced dimension stone on the inner face, backed up with rubble-stone masonry, to form a uniform thickness of four feet on all sides, the same being carried up from the top of the cast-iron invert in the bottom and the spring-line of the arch to a height of four feet six inches to the spring-line of the arch of the next section, with one stone step having a rise of six inches and a tread of eighteen inches built in the west wall.

West from and including drop No. 3 the section of sewer eight feet in diameter was completed for a distance of 422 linear feet, with a grade of one and one-half feet per 100 feet, of which 65½ feet were built in tunnel under the street railway tracks in North avenue nearly opposite Mount Royal avenue entrance to the park. In the construction of this section in tunnel, which passed over a thirty-six-inch water main and an old stone sewer five feet nine inches wide by five feet

nine inches high, at an angle of forty degrees and under a thirty-inch water main, it was necessary to use every precaution in the timbering of the sides and roof of the tunnel with Georgia pine, and also in the securing of a good foundation upon which to build the sewer. As the old sewer was in a rather dilapidated condition, a section of the arch, built of rough undressed stone laid in poor mortar, was torn out and reconstructed with a brick arch thirteen and one-half inches thick, laid in Portland cement, and the same was backed up with rubble-masonry laid in good hydraulic cement, forming a secure and solid foundation. The new section of sewer was then built over it. The line of the sewer passed under the railway tracks and the thirty-inch water main, which was exposed in the tunnel, at an angle of thirty degrees. Although this work was done in tunnel, it was accomplished without mishap or accident of any kind.

From drop No. 3 this section of sewer is built in a cradle of rubble-stone masonry, and the arch backed up with the same material. This was made necessary on account of the character of the material encountered in the line of the sewer, it all being filled in and consisting of loose sand and gravel.

There still remains to be constructed in North avenue in open cut, 296 linear feet, including drop No. 4, with a rise of five feet, which will be located on the south side of North avenue just west of John street.

East from shaft No. 1, at North and Park avenues, the section eight feet in diameter in tunnel was continued for a distance of 265⅓ feet, with a grade of one foot per 100 feet, at which point excavation in tunnel was discontinued because of the narrow space between the top of the sewer and the surface of the street, and also the close proximity of a ten-inch terra-cotta drain pipe which ran along over the tunnel east from Park avenue, and which was the cause of a considerable amount of inconvenience and trouble, from the fact that every precaution had to be taken to prevent its being broken and flooding the work.

The section in tunnel between shafts Nos. 1 and 2 was successfully completed a distance of 325¼ feet, of which 78½ feet west from shaft No. 1 was eight feet in diameter and the balance seven feet in diameter, with a grade of nine inches per 100 feet.

The character of the material excavated between these shafts was of a decomposed schist so firm as to necessitate its being blasted. A great quantity of water flowed into the tunnel through the numerous seams and crevices in this material.

West from shaft No. 2 the seven-feet section was continued for a distance of 410⅔ feet, with a grade of nine inches per 100 feet.

The material encountered in the excavation was of

the same character as on the east side, but with a diminution in the flow of water.

At the distance of 867 feet 8 inches west from shaft No. 2, shaft No. 3, of the same dimensions as shaft No. 2, nineteen feet four inches long by eleven feet wide, located in the centre line of Laurens street, about 100 feet east of Eutaw place, was sunk to the depth of forty-one and one-half feet to the bottom of its sump, six feet eight inches below the grade of the sewer. The ends and sides of the sump were lined with rubble-masonry.

The excavation in the shaft for a depth of sixteen feet was in sand and gravel, which was all saved and utilized on the work. The remainder of the excavation was through a hard decomposed schist filled with many seams or fissures, from which heavy streams of clear water discharged, requiring constant pumping.

The seven feet in diameter section, east from the shaft, is constructed for a distance of 130¼ feet, with a grade of nine inches per 100 feet, and west from the shaft for a distance of 130¼ feet with the same per cent. grade.

The material encountered on either side of the shaft was of the same character as that in the other sections, only much harder. Dynamite was being used in the excavation, but on complaints of residents in the im-

mediate neighborhood of the work being made to the Mayor that the concussion from blasting was causing damage to their houses the use of it was discontinued, in consequence of which slower progress is being made in the excavation, and the per cent. of cost materially increased.

The timbering in tunnel is what is known as the English bar system, the space between the extrados of the arch and the excavation requiring a less amount of packing than by any other mode of timbering, and as a natural consequence, there is less room for any settlement over the arch in the future.

At shaft No. 3 a hoisting engine and boiler are in place, with a pump in the shaft to discharge the water from the sump to the surface.

The sections of sewer, both in open cut and in tunnel, are circular in shape, the inverts, to the height of one-quarter of the diameter, consist of granite blocks, nine inches deep, from six to six and one-half inches wide, all laid in the best Portland cement.

The balance of the inverts is of brick nine inches thick, and the arches thirteen and one-half inches thick, backed up with a spandrel of rubble-stone masonry in the open cut, while in tunnel all the interstices between the extrados of the arches and the timbering are packed solid with bricks laid dry.

Other shafts will be sunk at convenient distances on the line of the sewer.

The progress of work done for the past year is as follows, viz:

In open cut 377 feet 6 inches, 8 feet diameter.

In tunnel North avenue, opposite Mount Royal avenue, 65 feet 6 inches, 8 inches diameter	
In tunnel east heading, shaft No. 1, 144 feet 4 inches, 8 feet diameter	209 ft. 10 ins.
In tunnel west heading, shaft No. 1, 107 feet, 7 feet diameter	
In tunnel east heading, shaft No. 2, 78 feet 9 inches, 7 feet diameter	
In tunnel west heading, shaft No. 2, 374 feet 3 inches, 7 feet diameter	
In tunnel east heading, shaft No. 3, 130 feet 3 inches, 7 feet diameter	
In tunnel west heading, shaft No. 3, 130 feet 3 inches, 7 feet diameter	820 ft. 6 ins.
Total in tunnel	1,030 ft. 4 ins.

HOFFMAN-STREET SEWER—A BRANCH OF JENKINS' RUN-SEWER.

This sewer has been completed from a point in the west side of Jenkins' run sewer, on the south side of the Union Railroad Company's tracks; thence through

the company's property, in a line that would be the south building line of Hoffman street, if projected west from Greenmount avenue; thence deflecting northeasterly to the intersection of the kerbs at the southeast corner of Greenmount avenue and Hoffman street; thence easterly, in the bed of Hoffman street, to the east side of Homewood avenue.

A detailed description was given in last year's report of the three drops, and the portion of the work then completed.

When the south spandrel wall of the Union Railway tunnel was encountered at the east curb line of Greenmount avenue, it was found that it was too high for the grade of the sewer, and not constructed in such a manner as to prevent the water from leaking through it. A portion of the spandrel wall was torn out in the line of the sewer and a bed of concrete laid, on which was built a stone cradle for the invert of the sewer.

In this cradle the sewer was built as follows: The invert to the height of one-fourth the diameter, consists of granite blocks nine inches deep, laid in the best Portland cement. The rest of the invert and the arch are of brick, two rings nine inches thick, all laid in the best American cement.

There were constructed six connections for drainage, four inlets: two at Greenmount avenue, one at Wirt street, and one at Homewood avenue, and four man-holes.

In making the excavation, the kerbing and a portion of the sidewalk in the south side of Hoffman street had to be taken up between Greenmount avenue and Wirt street. This kerb had to be reset, and the sidewalk and all the street over the whole length of the sewer had to be repaved.

EAST FEDERAL-STREET SEWER.

This sewer, when completed, will extend from the sewer in Wolfe street, westerly in Federal street to Caroline street, a distance of 1,940 feet.

It is circular in shape, part of it constructed in a cradle of rubble-stone masonry, laid in the best American hydraulic cement. The invert, to the height of one-quarter of the diameter, consists of granite blocks nine inches deep, laid in the best Portland cement. The rest of the invert and the arch are of brick, two rings nine inches thick, laid in the best American hydraulic cement.

From Wolfe street to Ann street it is four and one-half feet in diameter; Ann to Broadway, four feet and one-quarter; Broadway to Bond street, three and three-quarters feet.

It has been completed for a distance of 1,100 feet to a point west of Broadway.

On account of the depth of the main sewer in Wolfe street (it being about twenty-three feet) a drop with a fall of thirteen feet had to be constructed about sixty feet west of the connection.

This drop was constructed in the same manner as the drops of other sewers heretofore described.

From the drop west to Ann street the material through which the sewer was constructed was a hard clay. After leaving this point soft ground and running sand was encountered, which required extra precautions to secure. A portion of the material west of Broadway was of such a bad character that a timber platform had to be laid on which to build the stone cradle.

LATERAL BRANCH OF RACE-STREET SEWER.

This sewer has been built in Race street from the main Race-street sewer, in the intersection of Race and Cross streets, northerly in Race street to the north curb line of Winter street.

It consists mostly of cast-iron pipe, twenty inches in diameter, except where the brick connections and trap have been constructed. It is 148¼ feet in length.

One trap and two inlets were constructed, the one at the southwest and the other at the northwest corner of Race and Winter streets.

Five drains, consisting of cast-iron pipe eight inches in diameter, amounting altogether to a length of one hundred and thirty feet, were connected with this sewer to discharge the drainage from the small alleys to prevent a nuisance; the grade of Race street being very light.

Cast-iron pipe was used on account of the close proximity of the top of the sewer and drains to the surface of the street.

NORTH CHARLES-STREET SEWER.

Work on this sewer has been commenced. When completed it will extend from a point in the north side of Jones' Falls, about midway between Charles street and Maryland avenue, northeasterly through and under the Pennsylvania Railroad Company's property (right of way having been granted to the city for that purpose by the said company,) to the intersection of Charles and Lanvale streets; thence north in Charles street to Twenty-third street.

BRUCE-ALLEY AND CLIFTON-AVENUE SEWER.

Plans and the specifications for the material have been prepared for this sewer. Work on it will be commenced the coming season. It will extend north from North avenue in Bruce alley to Clifton avenue; thence westerly in Clifton avenue to Monroe street, with a

lateral branch northeasterly in Clifton avenue to Pennsylvania avenue, and thence northwesterly in Pennsylvania avenue to Fulton avenue.

FORT-AVENUE SEWER.

Plans and the specifications for the material have been prepared for this sewer. Work on it will be commenced the coming season. It will extend easterly from the port-warden's line in Fort avenue to Light street.

BARCLAY-STREET SEWER.

This is a small sewer, a continuation of the Federal-street lateral branch of the Jenkins'-run sewer. It will be constructed northerly one block in the bed of Barclay street from Federal to Lanvale street. Everything is prepared to commence and finish it the coming season.

The following resolutions of the Mayor and City Council, authorizing the reconstruction and trapping of old inlets, were carried out:

Resolution No. 22, of March 2d, 1893, to trap the two inlets at the intersection of Hamburg and Paca streets

Resolution No. 151, of May 3d, 1893, to trap the two inlets at the northwest and southeast corners of Hillen and East streets.

Resolution No. 152, of May 3d, 1893, to trap the inlet

at the southwest corner of Central avenue and Jefferson street.

Resolution No. 153, of May 3d, 1893, to trap the two inlets at the northwest and northeast corners of Central avenue and Jefferson street.

Resolution No. 158, of May 8th, 1893, to trap the four inlets at the intersection of Presstman street and Druid Hill avenue.

Resolution No. 161, of May 8th, 1893, to trap the three inlets, one on the northwest corner of Park avenue and Lexington street, one in the south curb, one in the north curb of Lexington street, west of Park avenue.

Resolution No. 162, of May 8th, 1893, to trap the three inlets at the intersection of German and Arch streets.

Resolution No. 163, of May 8th, 1893, to trap the three inlets in Centre street, between Calvert and North streets.

Resolution No. 174, of May 12th, 1893, to trap the two inlets at the intersection of Baltimore and Wolfe streets.

Adverse criticisms and numerous misrepresentations and misleading statements have been made about the new sewers, without any knowledge whatever of their

requirements, the existing conditions or the numerous difficulties encountered and overcome in planning and constructing them; although the planning and constructing of these sewers with reference to their meeting all future requirements, have been acknowledged by all experts who have examined them to be equal to, if not better than, the best constructed for the same purpose in any other section of this country.

Unfavorable comparisons have also been made of the cost of these sewers with the cost of sewers in other cities, where the requirements and surrounding conditions were entirely different.

The character of the soil through which they were constructed is different from that generally encountered in most other cities. This men experienced in tunnel work have acknowledged.

In driving the tunnel in Calhoun street for the sewer, worse material and more water were encountered than on any other public work constructed in this city.

We drove the work through successfully without breaking either the gas or water mains, although we had no machinery for bleeding the ground and reducing the level of the volume of water contained in it below the bottom of the tunnel.

The greater portion of these sewers have been constructed in the beds of streets graded and paved and

built up on each side, some of them thoroughfares over which a great amount of traffic passed, some having street railway tracks and a complication of gas and water mains and drain-pipes in them, all of which had to be taken care of; and every precaution being required to be taken to protect the residents and traveling public, and most of them in streets which even a moderate rainfall would fill with water, and a heavy one, such as this section is sometimes subject to, would flood. These conditions, and the more substantial and better manner in which the work was constructed, would make the cost of this work appear greater than the work done in other cities where the conditions were not the same.

The cost of all the material, the excavation, engineers, rodmen, superintendents, foremen, labor, both skilled and unskilled, machinery, the cost of taking care of and the changing or removing of all water mains and private drain-pipes, the construction of the inlets to the sewer, the tearing up and altering the street intersections and repaving over the whole work; in fact, everything in any way connected with the construction of the work and relieving the districts drained, is counted in the cost, which would naturally make it appear greater than if only the mere cost of the construction of the sewer alone were taken.

I will again state that these storm-water sewers have all been planned and constructed with reference to a

general system, not only to meet the present requirements of the districts which they are to drain, but to meet all the exigencies which may in the future present themselves in connection with the proper drainage of these districts, and for their exemption from being flooded.

Any intelligent mind can understand that the cost of the construction of any system for the removal of the daily flow of the sewerage of the city, which would have to be discharged some distance from it, would be too great if it had to be constructed of a capacity to provide for the storm water also.

Respectfully submitted,

CHARLES P. KAHLER,

Assistant City Commissioner.

STREET RAILWAYS.

Owing to the careless and reckless manner in which the work of tearing up and relaying the tracks of the various street railway companies was being done, without any regard for the interests of the public by the contractors doing this work, I deemed it best to place all work of this character, within the old city limits, under the charge of Mr. Charles P. Kahler, Assistant City Commissioner.

Written instructions, approved by yourself, were given him, which he has carried out.

This report, showing what has been done by the various companies, is herewith appended:

REPORT OF CHARLES P. KAHLER, ASSISTANT CITY COMMISSIONER.

STREET RAILWAYS.

A. E. SMYRK, ESQ.:

City Commissioner:

SIR—On May 6, 1893, I received orders from you, approved by his Honor the Mayor, directing me to take charge of all the work being done, as well as the work necessary to be done, by the various street railway companies in relaying their tracks for cables or electricity within the old city limits.

The following description gives the location of the tracks of the various companies, their character and the miles of single track laid by them since they first began the work of altering them.

BALTIMORE TRACTION COMPANY.

CABLE LINES.

Druid Hill Avenue Branch: From North avenue south in Druid Hill avenue, Paca, Fayette,

Howard and Lombard streets to South street. From Howard street in Fayette, South and North streets to Lombard streets From South street in Lombard, Exeter, Pratt streets and Patterson Park avenue to Baltimore street. From Pratt street in Ann and Baltimore streets to Patterson Park avenue.

Number of miles of single track..... 8.34

Gilmor Street Branch: From North avenue in Pennsylvania avenue, Cumberland, Gilmor and Fayette streets to Paca street.

Number of miles of single track..... 5.16

ELECTRIC LINES.

Carey Street Branch: From Fayette street in Carey to Cumberland street, and from Carey street in Mosher street and Carrollton avenue to Fayette street.

Number of miles of single track..... 2.82

Charles Street and Fort Avenue Branch: From Lombard street south in Charles street, and Fort avenue to Fort McHenry, and from Lombard street in Charles to German street.

Number of miles of single track..... 5.62

Linden Avenue Branch: From North avenue in Linden avenue, Biddle, Richmond Market,

Howard and Lexington streets to Charles street. From Howard street in Franklin street, Park avenue, Saratoga and Charles streets to Lexington street. From Lexington street in Charles, German, South, Lombard, Holliday, Fayette, North and South streets to German street. From Howard street east in Centre to Charles street to Saratoga street.

Number of miles of single track..... 5.86

Huntingdon Avenue Branch: From Richmond street in Howard street to Park avenue.

Number of miles of single track..... .23

McMechen Street Branch: From Linden avenue east in McMechen street, and North avenue to Charles street.

Number of miles of single track..... 1.47

Curtis Bay Branch: From Fort avenue in Charles street to Cromwell street, and then by a circuitous route along the shore of Spring Gardens to Ferry Bar.

Number of miles of single track..... 2.57

32.07

BALTIMORE CITY PASSENGER RAILWAY COMPANY.

CABLE LINE.

West Baltimore Branch: From Eutaw street west in Baltimore street to the old western city limits.

Number of miles of single track 3.36

Madison Avenue Branch: From North avenue south in Madison avenue, Eutaw and Baltimore streets to Gay street.

Number of miles of single track..... 4.79

East Baltimore Street and Broadway Branch: From Gay street in Baltimore street, Broadway and Bank street to Patterson Park avenue.

Number of miles of single track..... 3.29

Gay Street Branch: From Baltimore street in Gay street to Chew street, to Gay street. From Chew street in Gay street to North avenue.

Number of miles of single track..... 4.34

Charles Street Branch: From Baltimore street north in Calvert, Read, Charles streets and North avenue to St. Paul street.

Number of miles of single track..... 3.40

ELECTRIC LINES.

Green Street Branch: From Baltimore street north in Greene street, Pennsylvania avenue, Cumberland street and North avenue to McCulloh street.

Number of miles of single track..... 4.04

East Baltimore Branch: From Baltimore street south in Albemarle and High streets to Fawn street. From Central avenue in Bank street to Broadway. From Bank street in Patterson Park avenue, Essex, Lancaster, Chesapeake and Elliot street to Clinton street.

Number of miles of single track..... 3.71

South Baltimore Branch: From Baltimore street south in Sharp and Hanover streets to Lee street. From Sharp street in Lee, Light and Marshall streets to the Spring Gardens.

Number of miles of single track..... 5.10

Northeast Baltimore Branch: From Gay street in Fayette street to Aisquith street. From Baltimore street in Aisquith and Orleans street, Patterson Park avenue, Monument, Chester and Jefferson streets to Broadway, to Orleans streets.

Number of miles of single track..... 3.09

Total number of miles of single track..... 35.12

CITY AND SUBURBAN RAILWAY COMPANY.

Electric.

York Road Branch: From North avenue south in Greenmount avenue, Hillen and Holliday streets to Fayette street. From Holliday street in Fayette, North and South streets to Pratt street. From South street in Lombard and Holliday streets to Fayette street.

Number of miles of single track..... 3.75

Lombard Street Branch: From Howard street in Lombard street, Frederick avenue, Pratt and Gilmor streets to Lombard street.

Number of miles of single track..... 3.67

Maryland Avenue Branch: From North avenue in Maryland avenue, Biddle street, Park avenue, Liberty, Howard, Pratt, Exeter, Stiles, Gough, Bond and Eastern avenue to the eastern city limits.

Number of miles of single track..... 9.53

John Street Branch: From North avenue in John street, Lafayette and Park avenues to Biddle street.

Number of miles of single track..... ..... 1.50

Columbia Avenue Branch: From Pratt street in Howard, Camden and Paca streets and Columbia and Washington avenues nearly to Gwynn's Falls.

Number of miles of single track..... 3.95

Wilkens Avenue Branch: From Pratt street in Gilmor street and Wilkens avenue to western city limits.

Number of miles of single track..... 1.75

North Avenue Branch: From Madison avenue east in North avenue to Patterson Park avenue.

Number of miles of single track..... 4.81

Total number of miles of single track..... 28.96

CENTRAL RAILWAY COMPANY.

Electric.

From Pennsylvania avenue in Fulton avenue, Lanvale street to Myrtle and Argyle avenues. From Lanvale street in Myrtle avenue and Dolphin street to Argyle avenue, and from Lanvale street in Argyle avenue, Biddle, Bolton, Preston, Caroline and Lancaster streets, Broadway, Shakespeare and Bond streets, and Eastern avenue to Caroline street.

Total number of miles of single track..... 12.00

LAKE ROLAND ELEVATED RAILWAY COMPANY.

Electric.

The tracks of this road were laid from the western city limits easterly in the bed of North avenue to North street, or Guilford avenue,

thence southerly in the bed of North street to a point just south of Chase street, thence by an elevated structure to a point in North street, opposite the north side of the Central Police Station, thence in the bed of North street to Fayette street, with a branch in Lexington street, from North street west to Charles street.

A short time after these tracks were laid the portion of them in North avenue, east from Madison avenue to North street, were taken up by the Company, and the tracks of the other roads between the above described points used by them.

Total number of miles of single track..... 4.82

Making the total number of miles of track changed from horse car lines to cable and electric within the old city limits, approximately as follows:

Cable	32.68
Electric	80.29
Total number of miles of single track	112.97

Respectfully submitted,

CHARLES P. KAHLER,

Assistant City Commissioner.

REPORT OF ABANDONED CAR TRACKS IN BALTIMORE CITY PROPERTY OF THE CITY AND SUBURBAN RAILWAY COMPANY—BALTIMORE, JANUARY 1, 1894.

Names of Streets.			Linear Feet of Single Track.	Linear Feet of Double Track.	Remarks.
Streets.	From.	To			
Liberty street..	Fayette street..	Baltimorestreet	.....	115 6	Street in bad condition.
Conway " ..	Charles " ..	Light "	375 7	391 0	Very bad.
Frederick ave..	Mount " ..	Payson "	1410 0	.....	.....
			1785 7	506 6	

SUMMARY.

	Linear Feet.
Single track	1785 7
Double " 506 ft. 6 in. x 2	1013 0
Total linear feet	2798 7

REPORT OF ABANDONED CAR TRACKS IN BALTIMORE CITY PROPERTY OF THE BALTIMORE TRACTION COMPANY—BALTIMORE, JANUARY 1, 1894.

Names of Streets.			Linear Feet of Single Track.	Linear Feet of Double Track.	Remarks.
Streets.	From	To			
Mosher street..	Carey street...	Gilmor street..	1180 5	.....	.....
Stricker " ..	Lafayette ave..	Calhoun " ..	2765 2	.....	.....
Calhoun " ..	Stricker street.	Gilmor " ..	593 3	.....	.....
Presstman " ..	" "	" " ..	385 11	.....	.....
Holliday " ..	Exchange Place	Fayette " ..	920 8	.....	.....
Fayette " ..	Holliday street.	North " ..	271 9	.....	.....
Druid Hill Ter.	Madison avenue	Druid Hill ave.	.....	495 10	.....
Retreat street..	Druid Hill "	Francis street..	.....	292 0	.....
St. Mary's st...	Retreat street..	Car Barn	263 8	.....	.....
			6380 10	787 10	

SUMMARY.

	Linear Feet.
Single track	6380 10
Double " 787 ft. 10 in. x 2	1575 8
Total linear feet	7556 6

REPORT OF ABANDONED CAR TRACKS IN BALTIMORE CITY—PROPERTY OF THE BALTIMORE CITY PASSENGER RAILWAY COMPANY, BALTIMORE, JANUARY 1, 1894.

Names of Streets.			Linear Feet of Single Track.	Linear Feet of Double Track.	Remarks.
Streets.	From	To			
Holliday street	Baltimore st...	Fayette street..	154 6	....	Street in bad condition.
Fayette "	Holliday " ..	Gay " ..	329 6	.....	.....
Belair avenue..	South of	North avenue..	70 0	.....	Curves into car barn.
North " ..	Belair avenue..	Patterson Pk av	493 2	.....	Including curves into car barn.
Total.	.....	.....	1047 4		

SUMMARY.

	Linear Feet.
Single tracks	1047 4
Double "	.....
Total	1047 4

REPORT OF ABANDONED CAR TRACKS IN BALTIMORE CITY, PROPERTY OF THE LAKE ROLAND ELEVATED RAILWAY COMPANY—BALTIMORE, JANUARY 1, 1894.

Names of Streets.			Linear Feet of Single Track.	Linear Feet of Double Track.	Remarks.
Streets.	From.	To.			
Twenty-first St.	Oak street.....	Maryland ave..	.....	329 1	.....
" "	Maryland ave..	Charles street..	.....	286 8	St. in very bad condition.
Total.....	.....	.....	.....	615 9	

SUMMARY.

	Linear Feet.
Single Track.....	
Double " 615 feet 9 inches x 2.....	1231 6
Total linear feet.....	1231 6

FINAL REPORT OF ABANDONED RAILROAD TRACKS IN BALTIMORE CITY, PROPERTY OF VARIOUS CITY RAILROAD COMPANIES.

BALTIMORE, January 1, 1894.

NAME OF COMPANIES.	Length in Linear Ft. of Single Tracks, Double Tracks, Including Curves.		Length in Miles, Including Curves.
City and Suburban Railway Company	2,798	7	.....
Baltimore Traction Company.	7,956	6	.....
Baltimore City Passenger Railway Company	1,047	4	.....
Lake Roland Elevated Railway Company	1,231	6	.....
Central Railway Company	.....		.....
Baltimore and Curtis Bay Railway Company	.....		.....
Totals	13,033	11	$2.\frac{25}{100}$ App.

SUMMARY.

Total length in feet ..... 13,033 ft. 11 in.
" " " miles ..... $2.\frac{25}{100}$ App.

Respectfully submitted,

ALFRED HOLLYDAY,

General Superintendent City Com. Dept.

BALTIMORE, January 8, 1894.

NUMBER OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE CENTRAL RAILWAY COMPANY.

Names of Streets or Avenues.			Straight Wooden Poles.	Wooden Poles, Single Iron Brackets.	Wooden Poles, Double Iron Brackets.	Straight Iron Poles.	Iron Poles, Single Brackets.	Iron Poles, Double Brackets.	Wooden Supply Poles.	Wooden Guy Poles.	Iron Guy Poles.	Wooden Junction Poles.	Wooden Union Poles.	Iron Union Poles.	Remarks.
Street or Avenue.	From.	To.													
Fulton avenue	Pennsylvania avenue	Lanvale street	35	.....	.....	11	54	.....	...	...	...	...	...	...	Junction poles are in front of car barn.
Lanvale street	Fulton avenue	Argyle avenue	...	.....	.....	71	.....	.....	..	...	...	...	...	...	
Argyle avenue	Lanvale street	Biddle street	...	.....	.....	32	.....	.....	...	...	...	...	..	...	
Myrtle avenue	Lanvale street	Dolphin street	...	.....	.....	9	.....	.....	...	...	...	...	...	...	
Dolphin street	Myrtle avenue	Argyle avenue	...	.....	.....	6	.....	.....	...	..	...	...	...	...	
Biddle street	Argyle avenue	Bolton street	...	.....	.....	51	.....	.....	...	...	...	...	...	...	
Bolton street	Biddle street	Preston street	...	.....	.....	8	.....	.....	...	...	...	...	...	...	
Preston street	Bolton street	Caroline street	...	.....	.....	110	.....	.....	...	...	...	2	...	...	
Caroline street	Preston street	Lancaster street	...	.....	.....	128	.....	.....	...	...	...	...	...	...	
Lancaster street	Caroline street	Broadway	...	.....	.....	14	.....	.....	...	...	...	...	...	...	
Broadway	Lancaster street	Shakespeare street	...	.....	.....	6	.....	.....	...	...	...	...	...	...	
Shakespeare street	Broadway	Bond street	...	.....	.....	8	.....	.....	...	...	...	...	...	...	
Bond street	Shakespeare street	Eastern avenue	..	.....	.....	28	.....	.....	...	...	...	...	...	...	
Eastern avenue	Bond street	Caroline street	...	.....	.....	7	.....	.....	...	...	...	...	...	...	
Totals			35	.....	.....	489	54	.....	...	...	...	2	...	...	

Total Number of Poles of all Description.

Straight wooden poles	35	Iron bracket poles	54
Straight iron poles	489	Wooden junction poles	2
		Total	580

TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE CITY AND SUBURBAN RAILWAY COMPANY.

Names of Streets and Avenues.			Straight Wooden Poles.	Wooden Poles, Double Iron Brackets.	Wooden Poles, Single Iron Brackets.	Straight Iron Poles.	Iron Poles, Single Iron Brackets.	Iron Poles, Double Iron Brackets.	Wooden Guy Poles.	Iron Guy Poles.	Wooden Junction Poles.	Wooden Union Poles.	Iron Union Poles.	Eyebolts in Walls of Warehouses.
Streets and Avenues.	From.	To.												
Liberty street	Fayette street	Lombard street				20						1		
Park avenue	Fayette street	Fafayette Avenue				109								1
Lafayette avenue	Park avenue	John street				9								
John street	Lafayette avenue	North avenue				27								
Howard street	Lombard street	Camden street	1			8								1
Paca street	Camden street	Columbia avenue				2								
Columbia avenue	Paca street	Western Terminus		2		150								
Lombard street	Howard street	Frederick avenue				137								
Frederick avenue	Lombard street	Intersection Pratt street				17								
Pratt street	Gilmor street	" Frederick ave.				47								
Gilmor street	Pratt street	Wilkens avenue				11								
Wilkens avenue	Gilmor street	Brunswick street				10	44	15	2					
Brunswick street	Wilkens avenue	Bridge to Claremont					5							
Pratt street	Howard street	Exeter street				86					5			
Exeter street	Pratt street	Stiles street				6								
Stiles street	Exeter street	Gough street				7								
Gough street	Stiles street	Bond street				29								
Bond street	Gough street	Eastern avenue				14								

Eastern avenue	Bond street	Eastern city limits				106							
Commerce street	Pratt street	Exchange place							1		4		
Holliday street	Exchange place	Hillen street				23							
Hillen street	Holliday street	Forrest street				33							
Forrest street	Hillen street	Greenmount avenue				7							
Greenmount avenue	Forrest street	North avenue				84							
York road	North avenue	North limits of city	175										
North avenue	Belair road	Guilford avenue				6		59					
Biddle street	Park avenue	Maryland avenue				14							
Maryland avenue	Biddle street	Twenty-fifth street	1			89		4					
Twenty-fifth street	Maryland avenue	Huntington avenue	4			12							
Huntington avenue	Twenty-fifth street	William street		16									
William street	Huntington avenue	Remington avenue	2		2								
Remington avenue	William street	First street	12		1								
First street	Remington avenue	Chestnut avenue	8	2									
Chestnut avenue	First street	Third street	1	13					1				
Third street	Chestnut street	Falls road	1	8		12							
Total number Poles			207	39	3	1075	49	78	4		9	1	2

SUMMARY.

Straight wooden poles	207
Wooden poles, double iron brackets	39
Wooden poles, single iron brackets	3
Straight iron poles	1,075
Iron poles, single bracket	49
Iron poles, double bracket	78
Wooden guy poles	4
Wooden junction poles	9
Wooden union poles	1
Eyebolts in walls of warehouses	2
Total number of poles of all description	1,467

BALTIMORE, December 30, 1893.

TROLLEY AND OTHER RAILROAD POLES OF THE BALTIMORE TRACTION COMPANY.

Names of Streets and Avenues.			Straight Wooden Poles.	Wooden Poles, Double Iron Brackets.	Wooden Poles, Single Iron Brackets.	Straight Iron Poles.	Iron Poles, Single Brackets.	Iron Poles, Double Brackets.	Wooden Supply Poles.	Wooden Guy Poles.	Iron Guy Poles.	Wooden Junction Poles.	Wooden Union Poles.	Iron Union Poles.	Eyebolts in Walls of Warehouses.
Street or Avenue.	From.	To													
Linden avenue	Northern terminus	Armory avenue	.....	.....	.....	114	.....	.....	...	...	...	...	...	...	.....
Armory avenue	Linden avenue	Howard street	.....	.....	.....	4	.....	.....	...	...	...	...	...	...	.....
Howard street	Park avenue	Camden street	1	.....	.....	97	.....	.....	...	...	...	...	...	3	.....
Camden street	Howard street	Paca street	.....	.....	.....	16	.....	.....	...	...	...	...	...	...	.....
Paca street	Camden street	Columbia avenue	.....	.....	.....	5	.....	.....	...	...	...	...	...	...	.....
Conway street	Howard street	Charles street	.....	.....	.....	22	.....	.....	...	...	...	...	...	...	.....
Centre street	Howard street	Charles street	.....	.....	.....	21	.....	.....	...	...	...	...	...	...	.....
Charles street	Centre street	Fort avenue	.....	.....	.....	155	.....	.....	...	...	...	...	...	...	.....
Fort avenue	Charles street	Fort McHenry	.....	.....	.....	157	.....	.....	...	...	...	...	...	...	.....
Lexington street	Howard street	Charles street	.....	.....	.....	21	.....	.....	...	...	...	...	...	...	.....
Saratoga street	Charles street	Park avenue	.....	.....	.....	16	.....	.....	...	...	...	...	...	...	.....
German street	Charles street	South street	.....	.....	.....	16	.....	.....	...	...	...	...	...	3	.....
South street	Baltimore street	Exchange place	.....	.....	.....	13	.....	.....	...	...	...	...	...	...	.....
Exchange place	South street	Holliday street	.....	.....	.....	5	.....	.....	...	...	...	...	...	...	.....
Holliday street	Exchange place	Fayette street	.....	.....	.....	13	.....	.....	...	...	...	...	...	...	.....
Fayette street	Holliday street	North street	.....	.....	.....	6	.....	.....	...	...	...	...	...	...	.....
North street	Fayette street	Baltimore street	.....	.....	.....	6	.....	.....	...	...	...	...	...	...	.....
Fayette street	Charles street	Carey street	.....	.....	.....	115	.....	.....	...	...	...	...	...	...	.....
Carey street	Fayette street	Cumberland street	.....	.....	.....	121	.....	.....	...	...	...	...	...	...	.....
Cumberland street	Carey street	Pennsylvania avenue	.....	.....	.....	7	.....	.....	...	...	...	...	...	...	.....

Mosher street	Carey street	Carrollton avenue				6									
Carrollton avenue	Mosher street	Fayette street				60									
Pennsylvania avenue	Cumberland street	Fulton avenue				36									
Retreat street	Pennsylvania avenue	Francis street				15									
Francis street	Retreat street	Fulton avenue				20									
Fulton avenue	Francis street	Hookstown road				14									
Hookstown road	Fulton avenue	Pimlico avenue	7		37	14									
Pimlico avenue	Hookstown road	City limits	2	51	1	3									
McMechen street	Eutaw place	North avenue				35									
North avenue	McMechen street	Temporary bridge				5									
Lombard street	Howard street	Charles street				16								1	
Franklin street	Park avenue	Eutaw street				13									
Twenty-fifth street	North avenue	York road				35									
Charles street	North avenue	Twenty-fifth street				43									
Richmond street	Howard street	Biddle street				4									
Totals			10	51	38	1249								7	

SUMMARY.

Straight wooden poles	10
Wooden poles, single iron brackets	38
Wooden poles, double iron brackets	51
Straight iron poles	1249
Eye bolts in walls of warehouses	7
Total number of poles of all description	1355

TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE BALTIMORE AND CURTIS BAY RAILROAD COMPANY.

Names of Streets and Avenues.			Straight Wooden Poles.	Wooden Poles, Double Iron Brackets.	Wooden Poles, Single Iron Brackets.	Straight Iron Poles.	Iron Poles, Double Iron Brackets.	Iron Poles, Single Iron Brackets.	Wooden Guy Poles.	Iron Guy Poles.	Wooden Junction Poles.	Wooden Union Poles.	Iron Union Poles.	Eyebolts in Walls of Warehouses.
Street and Avenue.	From.	To.												
Charles street	Fort avenue	Cromwell street	67	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Cromwell "	Charles street	Cut	7	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cut	Cromwell "	Bend	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bend	Cut	Marshall avenue	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marshall avenue	Bend	Long Bridge	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	.....
Long Bridge	North approach	Drawbridge	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Drawbridge	" "	South end of draw	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridge	South end of draw	" " bridge	66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total			205	.....	.....	.....	.....	.....	1	.....	.....	.....	8	.....

SUMMARY.

Straight wooden poles	205
Wooden guy poles	1
Eyebolts	8
Total number of poles of all description	214

SUMMARY OF TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE VARIOUS CITY RAILROADS USING ELECTRICITY IN THE CITY OF BALTIMORE.

Names of Railroad Companies.	Straight wooden poles	Wooden poles, double iron brackets.	Wooden poles, single iron brackets.	Straight iron poles.	Iron poles, double iron brackets.	Iron poles, single iron brackets.	Wooden supply poles.	Wooden guy poles.	Iron guy poles.	Wooden junct'n poles	Wooden union poles.	Iron union poles.	Eyebolts in bridges, warehouse walls, etc.	Total number of poles, eyebolts, etc.
Central Railway Company	35	.....	.....	489	.....	54	.....	.....	.....	2	.....	.....	.....	580
City and Suburban Railway Company	207	39	3	1,075	78	49	.....	4	.....	9	1	.....	2	1,467
Baltimore Traction Company	10	51	38	1,249	.....	.....	.....	.....	.....	.....	.....	.....	7	1,355
Baltimore Curtis Bay Company	205	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	8	214
Baltimore City Passenger Railway Co.	.....	.....	.....	964	.....	4	.....	.....	.....	.....	2	1	.....	971
Lake Roland Elevated Railway Co.	113	52	88	279	36	40	....	9	.....	.....	.....	.....	8	625
Total poles, eyebolts, etc.	569	142	129	4,056	114	147	.....	14	.....	11	3	1	25	5,212

REMARKS.

The City and Suburban Railway Company use the poles of the Traction Company on Holliday street from Exchange Place to Fayette street, and on Fayette street from Holliday street to North street, on North street from Fayette street to Baltimore street, and on South street from Baltimore street to Exchange Place. They also use the poles on Howard street from Lombard street to Camden street, and on Camden street from Howard street to Paca street.

The Baltimore Traction Company use the poles of the City and Suburban Railway Company on Park avenue from Howard street to Biddle street, and on Biddle street from Park avenue to Maryland avenue, on Maryland avenue from Biddle street to North avenue, on North avenue from Maryland avenue to Charles street the poles of the Lake Roland Elevated Company.

The City and Suburban Railway Company use the poles of the Lake Roland Elevated Company on North avenue from Guilford avenue to Oak street, Oak street to 21st street, 21st street from Oak street across temporary bridge to North avenue, on North avenue from temporary bridge to Madison avenue.

Double bracket poles of the City and Suburban Railway Company and the Lake Roland Elevated on North avenue, are in the centre of the street from Belair avenue to Madison avenue. Double bracket poles of the City and Suburban Railway Company in the Annex, are in the centre of streets. Single bracket poles are all placed on the side of streets.

TROLLEY AND OTHER RAILROAD POLES ON THE LINES OF THE BALTIMORE CITY PASSENGER RAILWAY COMPANY.

Names of Streets and Avenues.			Straight Wooden Poles.	Wooden Poles, Double Iron Brackets.	Wooden Poles, Single Iron Brackets.	Straight Iron Poles.	Iron Poles, Single Brks.	Iron Poles Double Brks.	Wooden Supply Wire Poles.	Wooden Guy Poles.	Iron Guy Poles.	Wooden Junction Poles.	Wooden Union Poles.	Iron Union Poles.	Eyebolts in Walls of Warehouses.	Remarks.
Name of Street.	From	To														
Baltimore street..	Green street.....	Aisquith street....	...	.....	.....	113	..	...	.....	...	...	...	...	...	.....	Union Pole Calvert and Baltimore streets
Aisquith street....	Baltimore street.	Madison street....	...	.....	.....	49	...	...	.....	...	...	...	1	1	.....	
Orleans street....	Aisquith street....	Patterson P'k av.	...	.....	....	72	...	...	.....	...	...	...	...	...	.....	Union Pole Charles and Baltimore streets.
Patterson P'k av.	Orleans street.....	Monument street.	...	.....	.....	20	...	..	.....	...	...	...	...	...	.....	
Monument street.	Patterson P'k av.	Chester street.....	...	.....	.....	13	...	...	.....	...	...	...	...	...	.....	
Chester street.....	Monument street.	Jefferson street...	...	.....	.....	12	...	...	....	...	...	...	...	...	.....	
Jefferson street...	Chester street.....	Broadway.....	...	.....	.....	29	...	...	.....	...	...	...	...	...	.....	
Broadway.....	Jefferson street...	Orleans street.....	...	.....	.....	1	4	...	.....	...	...	...	...	...	.....	
Green street.....	Franklin street...	Baltimore street.	...	.....	.....	31	...	...	.....	...	...	...	...	...	.....	
Pennsylvania av.	Franklin street...	Cumberland st....	...	.....	.....	114	...	..	.....	...	...	...	...	...	.....	
Cumberland st....	Pennsylvania av.	North avenue.....	...	.....	.....	6	...	...	.....	..	...	...	...	...	.....	
Albemarle street.	Baltimore street.	Fawn street.....	...	.....	.....	28	...	...	.....	...	...	...	...	...	.....	
High street.....	Baltimore street.	Fawn street.....	...	.....	.....	28	...	...	.....	...	...	...	...	...	.....	
Bank street.....	Central avenue...	Patterson P'k av.	...	.....	.....	67	...	...	.....	...	...	...	...	...	.....	
Patterson P'k av.	Bank street.....	Essex street.....	..	.....	.....	19	...	...	.....	...	...	...	...	...	.....	
Essex street.....	Patterson P'k av.	Lancaster street.	...	.....	.....	10	...	...	.....	...	...	...	...	...	.....	
Lancaster street..	Montford avenue.	Chesapeake street	...	.....	....	27	...	...	.....	...	...	...	...	...	.....	
Chesapeake street	Lancaster street..	Elliott street.....	...	.....	.....	25	...	..	.....	...	...	...	...	...	.....	
Elliott street.....	Chesapeake st....	East avenue.....	...	.....	.....	26	...	...	.....	...	...	...	...	...	.....	

Sharp street	Baltimore street.	Lee street				33						1			Union Pole southwest corner German & Sharp streets.
Lee street	Sharp street	Light street				22									
Light street	Lee street	Winder street				85									
Marshall street	Winder & Light st	Ferry Bar				48									
Hanover street	Baltimore street.	Lee street				44									
Fayette street	Aisquith street	Gay street				36									
Gay street	Fayette street	Baltimore street				6									
Total						964	4					2	1		

SUMMARY.

Straight Iron Poles	964
Single Bracket Iron Poles	4
Wooden Union Poles	2
Iron Union Poles	1
Total number of Poles of all description	971

TROLLEY AND OTHER RAILROAD POLES ON THE WALBROOK AND LAKE ROLAND DIVISIONS OF THE LAKE ROLAND ELEVATED ELECTRIC RAILROAD COMPANY.

Names of Streets and Avenues.			Straight Wooden Poles.	Wooden Poles, Double Iron Brackets.	Wooden Poles, Single Iron Brackets.	Straight Iron Poles.	Iron Poles, Single Iron Brackets.	Iron Poles, Double Iron Brackets.	Wooden Guy Poles.	Iron Guy Poles.	Wooden Junction Poles.	Wooden Union Poles.	Iron Union Poles.	Eyebolts in Walls of Warehouses.	Remarks.
Streets & Avenues	From.	To.													
Lexington street.	Charles street.	North street.				20									
North street.	Fayette street.	Elevated Struc're	4			12									
Elevated Struc're	Lexington street.	Chase street.						25							
Guilford avenue.	Chase street.	North avenue.	4			56									
North avenue.	Guilford avenue.	Charles street.				13		6						8	Eyebolts are in Bridge over Jones' Falls.
North avenue.	Charles street.	Oak street.				5	12								
Oak street.	North avenue.	Twenty-third st.				29			2						
Twenty-third st.	Oak street.	Hampden avenue.				13			2						
Hampden avenue.	Twenty-third st.	Twenty-fourth st.				10			1						
Twenty-fourth st.	Hampden avenue	Hampden avenue.				4									
Hampden avenue.	Twenty-fourth st.	Iron Trestle Work		14											
Trestle Work	North End	South End						5							
Hampden avenue.	Trestle Work	Cedar avenue		4											
Cedar avenue.	Hampden avenue.	Second street.				45									
Second street.	Cedar avenue.	Elm avenue.	3	8											
Elm avenue.	Second street.	Merryman's lane.	3	25											
Merryman's lane.	Elm avenue.	Roland avenue.	10												
Roland avenue.	Merryman's lane.	City Limits.	2	11											
Twenty-first st.	Oak street.	Temporary B'dge	9						1						

Temporary B'dge	Twenty-first st....	North avenue.....	8	.....	.....	.....	.....	.....	...	...	..	...	...	.....	
North avenue.....	Temporary B'dge	Madison avenue.	3	... ..	7	18	28	.....	...	...	...	...	...	.....	Iron Bracket Poles are
North avenue.....	Madison avenue.	Twelfth street....	36	.....	56	54	.....	.....	3	...	...	...	...	.....	between McMechen
Twelfth street....	North avenue.....	Clifton avenue....	6	.....	5	....	.....	.....	...	...	...	...	...	.....	and John sts. and Park
Clifton avenue....	Twelfth street....	Terminus	25	.....	20	....	.....	.....	...	...	...	...	..	.....	and Madison avenues.
			113	52	88	279	40	36	9	...	...	...	..	8	

SUMMARY.

Straight Wooden Poles	113
Wooden Poles, Double Iron Brackets	52
" " Single " "	88
Straight Iron Poles	279
Iron Poles, Single Bracket	40
" " Double "	36
Wooden Guy Poles	9
Eyebolts in Guilford-avenue Bridge	8
Total number of Poles of all description	625

REPORT OF A. LESLIE DUVALL, ASSISTANT CITY COMMISSIONER.

January 2, 1894.

A. E. Smyrk, Esq.,

City Commissioner:

Dear Sir:

In submitting my report for 1893 I call your attention to many things that have been overlooked and not understood by many who have made adverse criticisms in regard to work done in your department.

Work that has been done under my direction has been done in the best possible manner, including granite block paving done by day's labor, as well as sheet and block asphalt pavements. In the case of granite block paving, the pavers have been required to do the regular amount of work, and have evidently done it, and in a very superior manner, which can be verified by inspection.

The sheet and block asphalt paving done by contract has been done in the best manner, fully up to the specifications, and has been subjected to the most rigid inspection.

The asphalt block paving of to-day is very much superior to that which was done some years past, as the

plant for refining and manufacturing the blocks has been very much improved. The blocks are now made with hard granulated stone, and are subjected to a pressure of five thousand pounds per square inch. It has been found from practical experience that the Trinidad Lake asphalt is the best so far found in sufficient quantities to be available for paving purposes. The asphalt blocks are easily laid and do not require a concrete base, and in tearing up for water, gas or drain pipes can be easily relaid. The guarantee for fifteen years mentioned in certain cities, for instance New York, as mentioned in reports from New York, would be readily agreed to here, I am satisfied, by contractors if they get the price paid, or within ten or fifteen per cent. of the price paid in New York. As an instance of this, there are sheet and block asphalt pavements that have not cost over two and a half cents per yard for repairs in ten years.

In London the cost of repairs of wood pavements is from forty to sixty cents per yard per year, asphalt thirty-three to fifty-nine cents, and granite blocks twenty-five to sixty-nine cents per yard per year, including construction.

The absolute cost of granite block paving alone in Baltimore under prices ruling in 1892 and 1893 is about $2.75 per yard for paving, which was specifically shown by my special report to his Honor the Mayor of October 5, 1893.

In New York the cost of asphalt paving ranges from $3.45 to $4.45 per square yard, according to whether the hydraulic base is six or nine inches deep. The minimum average cost of asphalt pavements in seventeen cities, as published in the *Century Magazine* of October, 1893, shows $2.89 per square yard, and the maximum average $2.96½ per square yard. In the same seventeen cities the minimum average cost of granite block pavement is 3.02\frac{7}{10}$, the maximum average $3.20½. The prices are for pavement alone.

The price in Washington, according to the report of the District Commissioners, for laying granite block pavement, for furnishing the blocks, laying the pavement, and an average estimate for grading, is $2.97 per square yard for paving alone. There are about two million and sixty-five thousand square yards of sheet asphalt, coal tar and distillate pavements laid in Washington, D. C., which is about sixty-six per cent. of the total amount of pavements. There are about three hundred and forty thousand square yards of asphalt blocks laid in Washington. The cost for repairs is not easily attainable, but is very small.

According to a report that I have read asphalt work in Paris, France, costs $3.42 a square yard, and the cost of maintenance for repairs is reported that in fifteen years it would amount to $4 per square yard, making a total of $7.4 a square yard. In this city there never has been such a case to my knowledge.

In Baltimore the cost of repaving streets under the five and six million dollar loans includes grading, kerbing, granolithic and stone gutters of the most improved construction and all engineering expenses, remodeling of cross streets necessary to conform to the new lines and grades of improved pavements, the cost of expensive but improved stone and granolithic gutters, and all contingencies that might arise.

In other cities the salaries of the city engineers and his assistants and sub-assistants and inspectors and superintendents are provided for by the general levy. In Baltimore all of these expenses are charged directly to the streets repaved.

Good contract paving has been done in the city of Baltimore—granite block paving, as well as sheet and block asphalt; but I do not hesitate to say that the granite block work done by day's labor under my direction in the past year or two is fully equal, if not superior, to the best contract work that has been done here or elsewhere.

As recommended in my report for 1892, I will again call the attention of the members of the City Council to the necessity of consulting the City Commissioner in regard to the character of pavements to be laid on certain streets and certain grades, and to the fact that on very steep grades a rubble-stone

pavement, properly laid with selected stone and with the joint poured with asphaltic cement, is far preferable to any pavement that I know of in use in Baltimore at present.

I refer to articles in the *Engineering News* on the subject of pavements of September 8, 1892, June 22, 1893, and January 4, 1894, showing general prices, classes of pavement and many other items interesting to those engaged in paving, which articles and reports from various cities go to show that Baltimore is having as good, if not better, pavements laid for a less price per square yard and for less money than the average of cities of this country.

Following is a detailed statement of the work done under my direction in regard to paving and repaving streets for 1893, and with a tabulated statement at the end:

STREETS TO BE PAVED UNDER GENERAL LEVY.

Street.	No. of Ordinance.	No. of Resolution.	Date of Approval.	Amount Expended.
Fairmount avenue.	161	....	May 8, 1893.	$ 232 29
Riggs "	194	....	March 25, 1893.	291 08
Race street.....	126	....	May 8, 1893.	602 57
Andre "	162	....	May 12, 1893.	66 66
Adams alley.....	....	49	March 16, 1893.	344 65
Jordan "	51	....	March 22, 1893.	1,123 88
Lombard street...	....	132	April 26, 1893.	1,017 53
Bulkhead — Ferry Point road.....	103	....	October 7, 1892.	14,995 98

Ferry Point Bulkhead and Road from Light-Street Bridge to Marshall Street.

Bulkhead 1,030 feet long.

According to my report for 1892 this work was begun August 8, 1892, and the timber bulkhead was completed December 19, 1892. The grading of the road was not finished until April 4, 1893, owing to the difficulties in trestling the Baltimore & Curtis Bay Railroad.

Appropriation	$15,000 00
Amount expended	14,995 98
Balance	$ 4 02

Adams Alley, from Charles Street to Lovegrove Alley.

Resolution 49. Approved March 16, 1893.

Construction of a drain-pipe to relieve drainage in Adams alley and carry it to Lovegrove sewer. This work was absolutely necessary owing to the pocket formed in the imperfect grading of the alley heretofore, and has made a permanent improvement, draining all the water from North avenue to Adams alley and Lovegrove alley.

Appropriation	$500 00
Amount expended	344 65
Balance	$155 35

Jordan Alley to North Avenue and Laurens Street.

To grade and pave.

This improvement was asked for by the property-holders, and asked by the Council to divert the drainage from Linden avenue, and graded down Jordan alley to Laurens street, eventually to be taken into the new sewer now being constructed.

Ordinance 51. Approved March 22, 1893.

Appropriation	$1,200 00
Amount expended	1,123 88
Balance	$ 76 12

Race Street, from Cross Street to Hanover Street.

Rubble-stone paving. Resolution 126. Approved May 8, 1893. Length 363 feet.

This work was begun August 12, 1893, and was completed October 6, 1893.

This street, known as Little Race street, has been in a very bad condition for years, and it became an absolute nuisance in the neighborhood. The resolution under which it was paved authorized the payment to be made from the general levy.

Amount expended	$602 57

Fairmount Avenue, from Patterson Park Avenue to Luzerne Street.

Rubble-stone paving. Resolution 161. Approved May 8, 1893. Length 1,167 feet.

Contract work; was advertised. Contract awarded to James P. McGovern. Work begun on December 4, 1893; in progress. City's proportion taken fron general levy; the balance to be paid for by property-holders under Ordinance No. 33, approved March 14, 1893, by Act of Assembly, being the new paving ordinance under which property-holders were required to pay proportion of the paving of new streets.

Expenditures..... $232 29

East Baltimore Street, west from Exeter Street to Jones' Falls.

Ordinance No. 64. Approved April 29, 1892. Granite blocks paving.

This work was closed on December 23, 1892, on account of cold weather. Work was resumed on August 7, 1893, and completed September 15, 1893. The south kerb was set out and the north kerb set back to conform to the widening of the street, and there were several difficulties encountered in setting the kerb on account of the vaults under the sidewalks.

Appropriation.....	$8,000 00
Amount expended.....	3,593 78
Balance.....	$4,406 22

Andre Street, from Clement to Mariott Street.

To grade, pave and kerb. Lenght 356 feet. Ordinance No. 162. Approved May 12, 1893.

Expenditures $66 66

There has been nothing done, although advertised. Half the street has been paved by private contract by the property-holders binding thereon.

Barclay Street, from Chase to Biddle Streets.

Grade, pave and kerb. Length 350 feet. Resolution No. 204. Approved June 26, 1893.

No work done on this street.

Patuxent Street, from Boston Street to Elliott Street.

Length 200 feet. Resolution No. 205. Approved June 26, 1893.

Nothing done on this street.

Rose Street, from Lancaster to Foster Avenue.

Length 358 feet. Resolution No. 206. Approved June 26, 1893.

Nothing done on this street.

Riggs Avenue, from Fremont Avenue to Calhoun Street.

To grade, pave and kerb. Length 1,280 feet. Ordinance No. 194. Approved March 25, 1893. Expenditures $291.08.

The kerb for this street has been distributed. It was old four and one-inch kerb taken from Hanover street. The grade was established and the work could be carried on at once if necessary.

The above streets are to be paid for out of the city's proportion of the general levy and the balance by the property-holders, in accordance with the provisions of the Act of Assembly, chapter 219, of 1892.

STREETS GRADED, PAVED AND REPAVED, AND OTHER WORK.

Eutaw Street, from Madison Street to Dolphin Street.

Asphalt blocks. Ordinance No. 10. Approved February 18, 1892. Length, 2,000 feet. Source of payment, $5,000,000 Loan.

Estimated cost.....	$29,200 00
Amount paid.....	29,763 58

Work was begun March 28, 1893. Completed September 13, 1893. Length, 1,979 feet.

This street paved with asphalt blocks—a portion of it on steep grades, which is objectionable. I would recommend hereafter that the City Commissioner be consulted in regard to the character of pavement that would be required on different portions of a street before passing ordinances to repave with improved pavements.

Pennsylvania Avenue, from Franklin Street to North Avenue.

Granite block. Length, 7,598 feet. Ordinance No. 13. Approved February 23, 1892. Source of payment, $5,000,000 loan.

Estimated cost	$128,500 00
Appropriation	128,000 00
Amount expended in 1893	58,092 05

Work was begun August 8, 1892. Completed July 1, 1893.

After having been more than half completed, work was resumed on this street April 24, 1893.

West Lexington Street, from Pearl Street to Fulton Avenue.

Asphalt blocks. Length, 5,839 feet. Ordinance No. 17. Approved February 23, 1892. Source of payment, $5,000,000 loan.

Estimated cost	$73,000 00
Amount expended in 1893	23,384 12

Work was begun August 29, 1892. Completed May 20, 1893.

This street was completed nearly to Mount street in 1892, and had to be stopped on account of the severe weather. Work was resumed March 23, 1893.

Hanover Street, from Camden Street to Fort Avenue.

Granite blocks. Length, 4,641 feet. Ordinance No. 22. Approved March 9, 1892. Source of payment, $5,000,000 loan.

Amount expended..... $63,521 47

Work was begun July 2, 1892. Completed November 25, 1893.

The portion of this work from Montgomery street to Fort avenue was completed last year. The balance, from Montgomery street to Camden street, was resumed April 4, 1893. Three ordinances were passed in regard to this work. The completion was carried out under Ordinance No. 209, approved October 5, 1893.

Calvert Street, from Madison to Read Streets.

Granite blocks. Length, 386 feet. Ordinance No. 31. Approved March 21, 1892. Source of payment, $5,000,000 loan.

Estimated cost..... ... $6,800 00
Amount expended, 1893..... 9,755 59

Work was begun November 7, 1892. Completed June 16, 1893.

It was one of the streets on which the work had to be stopped in the winter of 1892 on account of severe weather. Work was resumed March 28, 1893.

East Lexington Street, from Holliday Street to Aisquith Street.

Granite blocks and sheet asphalt. Length, 2,573 feet. Ordinance No. 76. Approved May 4, 1892. Source of payment, $5,000,000 loan.

Estimated cost..... ..... $60,000 00
Amount expended, 1893..... 21,096,52

Work was began September 1, 1892. Completed September 16, 1893.

Camden Street, from Sharp Street to Howard Street.

Sheet asphalt block. Length, 342 feet. Source of payment, $5,000,000 loan.

Amount expended..... ....$468 59

Work was begun August 29, 1891. Completed September 19, 1891. The above expenditures were the retained percentage.

Sharp Street, from Pratt Street to Camden Street.

Sheet asphalt blocks. Length, 345 feet. Source of payment, $5,000,000 loan.

Amount expended.....$415 40

Work was begun August 9, 1891. Completed November 21, 1891. The above expenditures were the retained percentage.

Around Southern Police Station.

Length, 263 feet. Source of payment, $5,000,000 loan.

Amount expended.....$259 61

The above expenditures were the retained percentage.

Hollins Street.

Length, 853 feet. Source of payment, $5,000,000 loan.

Amount expended.....$1,280 60

The above expenditures were the retained percentage.

Around Hanover Market.

Length, 822 feet. Source of payment, $5,000,000 loan.

Amount expended.....$1,126 72

The above expenditures were the retained percentage.

Expenditures from five million dollar loan for 1893	$228,602 26
Total expenditures from five million dollar loan	945,789 68
Retained percentages	54,210 32
Total	$1,000,000 00

Frederick Avenue, from Gilmor Street to Bentalou Street.

Granite blocks. Length, 3,190 feet. Source of payment, $6,000,000 loan. Ordinance No. 11. Approved February 21, 1893.

Appropriation	$155,000 00
Amount expended	75,541 05
Balance	$79,458 95

Work was begun July 10, 1893. Completed October 24, 1893.

Light Street, from Pratt Street to Fort Avenue.

Granite blocks. Length, 5,050 feet. Source of payment, $6,000,000 loan. Ordinance No. 17. Approved February 27, 1893.

Appropriation	$135,000 00
Amount expended	11,007 00
Balance	$123,993 00

The entire amount of kerb necessary for the street has been delivered and paid for. There have been 28,849 granite blocks delivered on the cross streets ready to be paved into this street as soon as the weather permits in the spring.

Holliday and Other Streets.

Granite blocks. Length, 8,100 feet. Ordinance No. 24. Approved March 6, 1893. Source of payment, $6,000,000 loan.

Appropriation	$108,000 00
Amount expended	5,555 06
Balance	$102,444 94

Expenditures represent material that was transferred to other streets, and all necessary surveys and preparations to pave the streets as soon as the weather permits have been made.

St. Paul Street, from Monument Street to North Avenue.

Asphalt block and vitrified brick. Length, 3,894 feet. Ordinance No. 21. Approved March 2, 1893. Source of payment, $6,000,000 loan.

Appropriation	$150,000 00
Amount expended	64,841 15
Balance	$85,158 85

Work was begun August 10, 1893. Completed November 4, 1893.

The square from Biddle street to Preston street was paved with vitrified bricks on a six-inch hydraulic concrete base with a cushion of two inches of sand. The granolithic gutters were used, as on many other portions of the street, and the bricks were those that stood the best test and were rigidly inspected. They were laid in what is known as herring-bone style, and I believe that if there is any virtue in vitrified brick this pavement will certainly demonstrate it.

Eager Street, from the Bridge to Cathedral Street.

Granite blocks. Length, 1,760 feet. Ordinance No. 27. Approved March 7, 1893. Source of payment, $6,000,000 loan.

Appropriation	$45,000 00
Amount expended	24,966 18
Balance	$20,033 82

Work was begun July 10, 1893. Completed September 2, 1893.

Front Street, from Gay Street to Baltimore Street.

Sheet asphalt. Length, 1,400 feet. Ordinance No. 29. Approved March 7, 1893. Source of payment, $6,000,000 loan.

Appropriation	$50,000 00
Amount expended	20,155 46
Balance	$29,844 54

Work was begun October 16, 1893. Completed December 16, 1893.

East Baltimore Street, from Broadway to Chesapeake Street.

Sheet asphalt. Length 4,540 feet. Ordinance No. 31. Approved March 7, 1893. Source of payment, $6,000,000 loan.

Estimated cost	$100,000 00
Amount expended	78,866 84
Balance	$21,133 16

Work was begun June 7, 1893. Completed September 9, 1893.

Chase Street, from St. Paul Street to Broadway.

Sheet asphalt and vitrified brick. Length 5,237 feet. Ordinance No. 35. Approved March 16, 1893. Source of payment, $6,000,000 loan.

Estimated cost	$130,000 00
Amount expended	100,114 34
Balance	$29,885 66

Work was begun August 14, 1893. Completed November 27, 1893.

It was intended to pave the square from North street to Calvert street with vitrified brick; but owing to the difficulty of getting bricks that would be up to the standard required, and as I was afraid that cold weather might catch us with the street open, I paved but half the square, from Davis street to Calvert street, with vitrified brick on six-inch hydraulic concrete base, laid in herring bone style, the same as on St. Paul street. The balance paved with sheet asphalt.

Saratoga Street, from Cathedral Street to Fremont Avenue.

Asphalt blocks. Length, 3,966 feet. Ordinance No. 42. Approved March 16, 1893. Source of payment, $6,000,000 loan.

Appropriation	$62,000 00
Amount expended	51,910 18
Balance	$10,089 82

Work was begun June 12, 1893. Completed August 8, 1893.

Gay Street, from Aisquith Street to North Avenue.

Granite blocks. Length, 7,450 feet. Ordinance No. 15. Approved February 27th, 1893.

Appropriation	$166,000 00
Amount expended	731 08
Balance	$165,268 92

Practically no work done on this street; but I am ready to begin operations in the spring.

Franklin Street, from St. Paul Street to Pennsylvania Avenue.

Granite blocks. Length, 1,400 feet. Ordinance No. 18. Approved February 27, 1893. Source of payment, $6,000,000 loan.

Appropriation	$42,000 00
Amount expended	330 73
Balance	$41,669 27

This street is ready to begin work on in the spring.

Fort Avenue, from Hanover Street to Martin Street.

Granite blocks. Length, 10,520 feet. Ordinance No. 45. Approved March 22, 1893. Source of payment, $6,000,000 loan.

Estimated cost	$100,000 00
Amount expended	7,465 04
Balance	$92,534 96

The kerb for this street has been nearly all delivered and paid for, and work could be begun on it at very short notice in the spring.

Aliceanna Street, from Caroline Street to Boston Street.

Granite blocks. Length, 3,000 feet. Ordinance No. 28. Approved March 7, 1893. Source of payment, $6,000,000 loan.

Estimated cost	$76,000 00
Amount expended	3,976 15
Balance	$72,023 85

Expenditures for material.

Boston Street, from Chester Street to the Eastern City Limits.

Granite blocks. Length, 5,210 feet. Ordinance No. 39. Approved March 16, 1893. Source of payment, $6,000,000 loan.

Appropriation	$105,000 00
Amount expended	5,720 33
Balance	$99,279 67

The expenditures were for material.

Poppleton Street, from Lexington Street to Columbia Avenue.

Granite blocks. Length, 2,941 feet. Ordinance No. 30. Approved March 7, 1893. Source of payment, $6,000,000 loan.

Appropriation	$52,000 00
Amount expended	303 75
Balance	$51,696 25

All necessary surveys and preparations to begin work whenever ordered have been made.

Charles Street, from North Avenue to Twenty-fifth Street.

Granite blocks. Length, 2,376 feet. Ordinance No. 38. Approved March 16, 1893. Source of payment, $6,000,000 loan.

Appropriation	$60,000 00
Amount expended	151 05
Balance	$59,848 95

This street is in the Annex, and has been transferred to Charles A. Hook, Assistant City Commissioner, who has charge of the work in the Annex.

Read Street, from Calvert Street to Cathedral Street.

Granite blocks. Length, 1,126 feet. Ordinance No. 77. Approved April 14, 1893. Source of payment, $6,000,000 loan.

Appropriation	$22,000 00
Amount expended	21,797 15
Balance	$ 202 85

Work was begun May 1, 1893. Completed June 17, 1893.

Calvert Street, from Biddle Street to Preston Street.

Sheet asphalt. Length, 374 feet. Ordinance No. 102. Approved May 1, 1893. Source of payment, $6,000,000 loan.

Appropriation	$8,000 00
Amount expended	4,830 82
Balance	$3,169 18

Work was begun September 23, 1893. Completed September 30, 1893.

Concord Street, from Pratt Street to Union Dock.

Granite blocks. Length, 1,403 feet. Ordinance No. 167. Approved May 19, 1893. Source of payment, $6,000,000 loan.

Appropriation	$43,000 00
Amount expended	36,051 69
Balance	$ 6,948 31

Work was begun October 14, 1893. Completed December 23, 1893.

In paving this street there were more difficulties to overcome than in any other street that I have known of in the city of Baltimore laid with improved paving. On the upper end of Union Dock it was necessary to set the kerb on concrete base, as well as to lay a concrete base on which to pave, to make a foundation for the pavement, as the ground was very wet and marshy. For about half the distance on the west side it was

necessary to dig out and remove by hand heavy stone foundations that were under the old cotton-presses that were in the buildings on the west side of the street before it was widened. This work was very expensive, and the difficulty in the way was the traffic that was carried on all the time during the paving of the street. The street could not be closed, as there was no other outlet to the foot of Union Dock, and a considerable portion of the work had to be done at night, and, altogether, the street was one of the most expensive streets of its class that has ever been paved in the city.

Lafayette Avenue, from Mount Royal Avenue to Eutaw Place.

Asphalt blocks. Length, 1,852 feet. Ordinance No. 55. Approved March 27, 1893. Source of payment, $6,000,000 loan.

Estimated cost	$43,000 00
Amount expended	29,839 36
Balance	$13,160 64

Work was begun October 30, 1893. Completed December 2, 1893.

Hanover Street, East Lexington Street, and Richmond Market.

Ordinance No. 209. Approved October 5, 1893. Source of payment, $6,000,000 loan.

Appropriation	$41,789 95
Amount expended	41,766 27
Balance	$23 68

This ordinance was passed to cover expenditures on the streets named. The amount was for material delivered on streets that should be properly charged to the six million dollar loan. The material having arrived, the city was obliged to take it, and, as the six million loan at that time was not available, the amount was paid out of the five million loan and this ordinance covered the deficiency. This is in accordance with my report of July 25, 1893.

Davis Street, from Lexington to Franklin Streets.

Sheet asphalt on cobble-stone base. Length, 1,468 feet. Ordinance No. 171. Approved May 19, 1893. Source of payment, $6,000,000 loan.

Appropriation	$20,000 00
Amount expended	233 50
Balance	$19,766 50

It was proposed to pave this street over the present cobble-stone paving and use four and one-half inch kerb. A great portion of the kerb had been delivered on the street, the majority of it coming from Concord street. I would respectfully recommend that this ordinance be repealed and re-encacted, so as to put sheet asphalt on a concrete base, as I believe that it would cost fully as much when the extra work is taken into consideration to remodel, crown and grade the street as to pave it with sheet asphalt on the hydraulic concrete base, as usually done.

Eutaw Street at the intersection of Biddle Street.

Asphalt blocks. Ordinance No. 215. Approved October 14, 1893. Source of payment, $6,000,000 loan.

Appropriation.....$1,200 00
Amount paid..... 1,195 00

Length in feet, 90 feet.

This work was begun October 25, 1893, and finished December 10, 1893. This was a triangular piece that was opened under the direction of Commissioners for Opening Streets, and which could not be paved at the time of the paving of Eutaw street, from Madison to Dolphin, from the fact that the proceedings in the office of the Commissioners for Opening Streets had not been completed, and that the old material had not been moved; that as soon as the City Commissioner was notified that the proceedings had been completed and the old material moved, I received orders to grade and pave that portion of the street cut off in straightening Eutaw street at the intersection of Biddle. The work is completed and is a valuable improvement, giving a free driveway up Eutaw street, without having so much danger from the electric cars which pass there with high speed.

Fayette Street, from Calvert to Liberty.

Granite blocks. Length, 1,466 feet. Ordinance No. 217. Approved October 14, 1893. Source of payment, $6,000,000 loan.

Amount expended.....$10 00

It was considered best to let the street lie over until the next season, so that the cellars left open in widening the street could be filled up and allowed to settle, so as to make a new foundation in paving. It is also necessary for the Traction Company to shift their tracks to the centre of the newly widened street, as at present the south rail of the street would be less than three feet from the new south kerb line between Calvert and Charles streets.

Broadway, from Preston Street to North Avenue.

Sheet asphalt. Length, 2,425 feet. Ordinance No. 79. Approved April 20, 1893. Source of payment, $6,000,000 loan.

This street is to be paid from the balance left on other streets. There has been nothing done on it except the preparatory surveys.

Union Square, from North Side of Lombard Street from Stricker Street to Gilmor Street.

Length, 425 feet. Resolution No. 132. Approved April 26, 1893. Source of payment, $6,000,000 loan.

Appropriation	$3,200 00
Expenditures	1,017 53
Balance	$2,182 47

This was to repave the sidewalk and reset the kerb, and to drain a portion of the street from springs that

were continually running and interfering and barring up the sidewalk.

Under Six (6) *Million Loan.*

Appropriation	$1,600,000 00
Amount expended	587,359 18
Balance	$1,012,640 82

GRANITE BLOCKS DELIVERED BY THE FOLLOWING CONTRACTORS IN 1893:

W. F. Weller	266,253
Westham Granite Co	328,483
Woodstock Granite Co	23,900
Rockport Granite Co	235,772
Star Granite Co	46,399
Booth Bros	306,395
Campbell & Macomber	180,957
W. B. Blaisdell	474,692
J. G. Miller	88,981
J. E. Bland & Co	60,500
Total	2,012,272

GRANITE PAVING-BLOCKS DISTRIBUTED AS FOLLOWS IN 1893:

Pennsylvania avenue	481,030
Hanover street	434,461
Read street	98,851
East Lexington street	181,680
Frederick avenue	382,688
Eager street	187,881
East Baltimore street	16,500
Concord street	200,344
Light street	28,849
Total	2,012,284

Report of old material removed from the streets paved with granite block, asphalt block and sheet asphalt, the work being done by day's labor and contract, and under the direction of the City Commissioner.

CHASE STREET.

Sold to P. Keelty, 914 feet 0 inches kerb; flagstones, 1,945 feet 3 inches; city use.

Sold to D. Donnelly, 1,500 feet 2 inches kerb; starters, 295 feet 0 inches; city use.

Sold to K. Miller, 60 feet 0 inches kerb; gutter-stones, 58 feet 5 inches; city use.

Sold to Cambridge National Bank, 94 feet 6 inches kerb; drip-stones, 66 feet 6 inches; city use.

Sold to E. H. Lechner, 482 feet 8 inches kerb; kerbing, 1,656 feet 4 inches; city use.

Sold to August Burkmyer, 25 feet 0 inches kerb; gutter-plates, 30 plates; city use.

FRONT STREET.

Flagstones, 996 feet 3 inches; city use.

Starters, 17 feet 10 inches; city use.

Stepping-stones, 63 feet 0 inches; city use.

Gutter-stones, 81 feet 10 inches; city use.

Kerbing, 641 feet 9 inches; city use.

Iron inlet covers, two; city use.

Nothing sold.

CALVERT STREET.

Gutter-stones, 42 feet 0 inches; city use.
Nothing sold.

SARATOGA STREET.

Inlet covers, two iron, one stone; city use.
Flagstones, $3,102\frac{75}{100}$ square feet; city use.
Kerbing, 180 feet 2 inches; city use.
Gutter-stones, 652 feet 1 inch.
Nothing sold.

ST. PAUL STREET.

Sold to Viaduct Electric Company, 4 feet 0 inches kerb; gutter-stones, 507 feet 11 inches; city use.

Sold to George F. Whitney, 50 feet 0 inches kerb; kerbing, 119 feet 2 inches; city use.

Sold to William Anderson, 3,249 feet 4 inches kerb; flagstones, 722 feet 2 inches; city use.

Stepping-stones, 235 feet 0 inches; city use.

READ STREET.

Cobble-stones, 661 perch; city use.
Kerbing, 408 feet 0 inches; city use.
Cheek-stones, 30 feet 0 inches; city use.
Flagstones, 123 feet 0 inches; city use.
Nothing sold.

EAGER STREET.

Sold to E. G. Perine, 46 perch cobble; cobblestones, 1,011 perches; city use.

Sold to Maryland Paving Company 26 feet 0 inches kerb; kerbing, 72 feet 0 inches; city use.

EAST BALTIMORE STREET.

Ordinance 31, Approved March 7, 1893.

Sold to E. J. Gallagher, 1,085 feet kerb; flagstones, 1,267 feet 1 inch; city use.

Sold to City and Suburban Railway Company, 354 feet 1 inch flagstones; stepping-stones, 232 feet 8 inches; city use.

Sold to D. Leonard, 2,178 feet kerb; gutter-stones, 126 feet 8 inches; city use.

Sold to H. Paff, 13 feet flagging; kerbing, 816 feet 11 inches; city use.

Sold to Ladenstack, 16 square feet flagging; inlet covers, 96 square feet; 6 feet gutter-stones; dripstones, 11 feet 10 inches; city use.

Sold to J. W. Kratz, 42 feet flagging; gutter-plates, 152 feet 11 inches; city use.

Sold to Mr. Wood, 30 feet kerb.

Sold to G. J. Whitney, 62 feet kerb.

Sold to C. Kratz, 82 feet kerb.

Frederick Avenue.

Sold to G. Sigmund, 671 feet 2 inches kerb; cobble-stones, 2,628 perches; city use.

Sold 278 perches cobble; gutter-stones, 60 feet; city use.

Sold to D. Leonard, 883 feet 8 inches kerb; kerbing, 688 feet; city use.

Sold to City & Suburban Railway Company, 6 perches cobble; flagstones, 36 feet; city use.

East Lexington Street.

Cobble-stones, 10 perches; iron gutter-plates, 2. Nothing sold.

CONCORD STREET.

Sold to J. Wonder, 35 perches cobble-stones; kerbing, 747 feet 4 inches; city use.

Sold to J. Gallagher, 10 perches cobble-stones; cobble-stones, 117 perches; city use.

Sold to P. Reddington, 100 perches; gutter-stones, 20 feet 7 inches; old granite blocks, 685; city use.

HANOVER STREET.

Cobble-stones, 1,910 perches; kerbing, 2,280 feet; flagstones, 200 feet. Nothing sold.

I append hereto a tabulated statement for 1893 which shows the name of every street in the city that has been paved, or is to be paved, with improved pavements under existing ordinances.

This table gives the number of ordinances, the names of streets from beginning to end, class of work, date of approval, date of beginning, date of completion, length in feet, appropriation, where specified, estimated cost and amount expended and remarks.

This table also contains a summary of granite blocks delivered and used in paving.

I also append a tabular statement showing the amount of old material hauled from the paved streets to the storage lots and distributed to other streets for repairs.

I have been ably seconded in my work by a courteous and efficient corps of engineers, superintendents and inspectors.

Respectfully submitted,

A. LESLIE DUVALL,

Assistant City Commissioner.

Streets in Baltimore Repaved up to December 31, 1893, with Improved Pavement—Also Streets Yet to be Paved Under Existing Ordinances.

Street.	From.	To.	Class of Work.	Date of Beginning	Date of Completion.	Length in feet.	No. of Ord.	Date of Approval.	Source of Payment.	Appropriations.	Estimated Cost.	1893. Amt. Expended.
Broadway	Canton avenue	Preston street	Sheet Asphalt and Vit. Bricks.	June 6, 1892	December 16, 1892	7,584	8	February 17, 1892	Five Million Loan.		$225,000 00	$ 2,316 27
Eutaw street	Madison street	Dolphin street	Asphalt Blocks	March 28, 1893	September 13, 1893	1,979	10	February 18, 1892	" "		29,200 00	29,763 58
Columbia avenue	Paca street	Bush street	Granite Blocks	May 30, 1892	December 10, 1892	5,418	12	February 23, 1892	" "		8,900 00	11,964 68
Pennsylvania avenue	Franklin street	North avenue	Granite Blocks	August 8, 1892	July 1, 1893	7,598	13	February 23, 1892	" "	$128,000 00		58,092 05
West Lexington street	Pearl street	Fulton avenue	Asphalt Blocks	August 29, 1892	May 20, 1893	5,839	17	February 23, 1892	" "		73,000 00	21,384 12
Mulberry street	Charles street	Howard street	Sheet Asphalt	May 7, 1892	July 6, 1892	1,171	21	March 9, 1892	" "		15,000 00	88 56
Hanover street	Camden street	Fort avenue	Granite Blocks	July 2, 1892	November 25, 1892	2,609	22	March 9, 1892	" "		45,000 00	63,521 47
Calvert street	Madison street	Read street	Granite Blocks	November 7, 1892	June 16, 1893	386	31	March 21, 1892	" "		6,800 00	9,755 59
Fayette and Lexington streets	North street	Calvert street	Sheet Asphalt	September 5, 1892	December 10, 1892	658	34	March 22, 1892	" "		10,000 00	3,475 32
East Baltimore street	Exeter street	Jones' Falls	Granite Blocks	August 9, 1892	September 15, 1893	742	64	April 29, 1892	" "	8,000 00		3,593 78
East Lexington street	Holliday street	Aisquith street	Granite Blks. and Sheet Asphalt	September 1, 1892	September 16, 1893	193	76	May 4, 1892	" "		60,000 00	21,096 52
Camden street	Sharp street	Howard street	Sheet Asphalt	August 29, 1891	September 19, 1892	342	71	May 6, 1891	" "			468 59
Sharp street	Pratt street	Camden street	Sheet Asphalt	August 9, 1891	November 20, 1891	345	134	July 1, 1891	" "			415 40
Southern Police Station	Around		Sheet Asphalt			263			" "			259 01
Hollins street	Poppleton street	Carrollton avenue				853			" "			1,280 60
Hanover street	Around	Market	Sheet Asphalt			822			" "			1,126 72
Frederick avenue	Gilmor street	Bentalou street	Granite Blocks	July 10, 1893	October 24, 1893	3,190	11	February 21, 1893	Six Million Loan.	155,000 00		75,541 05
Gay Street	Aisquith street	North avenue	Granite Blocks			7,450	15	February 27, 1893	" "	166,000 00		731 08
Light street	Pratt street	Fort avenue	Granite Blocks			5,050	17	February 27, 1893	" "	135,000 00		11,007 00
Franklin street	St. Paul street	Pennsylvania avenue	Granite Blocks			1,400	18	February 27, 1893	" "	42,000 00		300 73
St. Paul street	Monument street	North avenue	Asphalt Blocks	August 10, 1893	November 4, 1893	3,894	21	March 2, 1893	" "	150,000 00		64,841 15
Holliday and other streets			Granite Blocks			8,100	24	March 6, 1893	" "	180,000 00		5,555 06
Eager street	Bridge	Cathedral street	Granite Blocks	July 10, 1893	September 2, 1893	1,760	27	March 7, 1893	" "	45,000 00		24,966 18
Aliceanna street	Caroline street	Boston street	Granite Blocks			3,000	28	March 19, 1893	" "	76,000 00		3,976 15
Front street	Gay street	Baltimore street	Sheet Asphalt	October 16, 1893	December 2, 1893	1,400	29	March 7, 1893	" "	50,000 00		20,155 46
Poppleton street	Lexington street	Columbia avenue	Granite Blocks			2,941	30	March 7, 1893	" "	56,000 00		303 75
East Baltimore street	Broadway	Chesapeake street	Sheet Asphalt	June 7, 1893	September 9, 1893	4,540	31	March 7, 1893	" "		100,000 00	78,866 84
Chase street	St. Paul street	Broadway	Sheet Asphalt and Vit. Bricks.	August 14, 1893	November 27, 1893	5,237	35	March 16, 1893	" "		130,000 00	100,114 34
Charles street	North avenue	Twenty-fifth street	Granite Blocks			2,376	38	March 16, 1893	" "	60,000 00		151 05
Boston street	Chester street	Eastern city limits	Granite Blocks			5,210	39	March 16, 1893	" "	105,000 00		5,720 33
Saratoga street	Cathedral street	Fremont avenue	Asphalt Blocks	June 12, 1893	August 8, 1893	3,966	42	March 16, 1893	" "	62,000 00		51,910 18
Fort avenue	Hanover street	Martin street	Granite Blocks			10,520	45	March 22, 1893	" "	100,000 00		7,465 04
Lafayette avenue	Mount Royal avenue	Eutaw Place	Asphalt Blocks	October 30, 1893	December 2, 1893	1,852	55	March 27, 1893	" "		43,000 00	29,839 36
Read street	Calvert street	Cathedral street	Granite Blocks	May 1, 1893	June 17, 1893	1,126	77	April 14, 1893	" "	22,000 00		21,797 15
Calvert street	Biddle street	Preston street	Sheet Asphalt	September 23, '93	September 30, 1893	374	102	May 1, 1893	" "	8,000 00		4,830 82
Concord street	Pratt street	Union Dock	Granite Blocks	October 14, 1893	December 23, 1893	1,403	167	May 19, 1893	" "	43,000 00		36,051 69
Davis street	Lexington street	Franklin street	Sheet Asphalt			1,468	171	May 19, 1893	" "	20,000 00		233 50
Hanover street	Camden street	Fort avenue	Granite Blocks	September 26, '93	December 16, 1893	2,032	209	October 5, 1893	" "			
East Lexington street	Holliday street	Aisquith street	Granite Blocks	September 22, '93	December 16, 1893	1,380	209	October 5, 1893	" "	41,789 95		41,766 27
Richmond Market	At Howard street and	Intersections	Sheet Asphalt	August 1, 1893	August 26, 1893	600	209	October 5, 1893	" "			
Eutaw street	Intersection of	Biddle street	Asphalt Blocks	October 25, 1893	December 10, 1893	90	215	October 14, 1893	" "	1,200 00		1,195 00
Fayette street	Calvert street	Liberty street	Granite Blocks			1,466	217	October 14, 1893	" "			10 00
Broadway	Preston street	North avenue	Sheet Asphalt			2,425	78	April 20, 1893	" "			
Water street	Calvert street	South	Granite Blocks			1,850	168	May 19, 1893		15,000 00		
Park avenue	Lanvale street	North avenue	Vitrified Bricks			300	202	June 6, 1893		31,000 00		
Pleasant street	Calvert street	Holliday street	Sheet Asphalt			525	172	May 19, 1893		7,500 00		
Pratt street	Howard street	Frederick avenue	Granite Blocks			9,055	123	May 8, 1893				
McCulloh street	Biddle street	North avenue	Asphalt Blocks			5,560	103	May 1, 1893				

Improved Pavements laid in the year 1893—7.91 miles.

Respectfully submitted,

A. LESLIE DUVALL,

Assistant City Commissioner.

CAPTAIN A. E. SMYRK,

City Commissioner:

DEAR SIR:

I respectfully submit for your consideration my report for the year ending December 31, 1893.

Ordinance No. 58. Sewer in West street.

This sewer consists of a twenty-four-inch terra cotta pipe laid in a bed of concrete. It joins the south branch of the Cross-street sewer at Light and West streets, and is continued easterly on West street a distance of 730 feet to the west building line of Battery avenue. It has five inlets, with six feet openings and four square man-holes. This work was commenced May 9th and completed July 29th.

Amount of appropriation	$8,000 00
" " expended	3,555 46
" " balance	$4,444 54

Resolution No. 129. Drain-pipe in Battery avenue.

Diameter of pipe eight inches, connects with twenty-four-inch pipe at West street, and runs on the east side of Battery avenue to the south building line of Clement street. This work was completed July 15th.

Appropriated	$750 00
Expended	500 09
Balance	$249 91

Ordinance No. 61. Patapsco-street sewer.

This sewer is circular in form, with a diameter of six feet. It joins the Harford-run sewer at Monument and Patapsco streets, and runs thence in the centre of Patapsco street a distance of 1,332 $\frac{7}{10}$ feet to the north side of the Union Railroad embankment. Of this sewer 1,155 feet was built in open cut and 177 $\frac{7}{10}$ in tunnel. In the open cut work, 657 feet is supported in a cradle of rubble masonry, the balance, 498 feet, being in excavation with good natural foundation. The cradle of masonry was dispensed with and the sewer blocks and bottom brick courses laid in a bed of Portland cement. The entire arch is supported with a spandrel wall of masonry, all laid in hydraulic cement. With the exception of two sixteen-feet openings left for surface drainage, the open cut work is completed. Connections for inlets have been made at Madison and Chew streets. There has been 76 feet of the tunnel work completed. In view of the extreme care necessary in tunneling under the Union Railroad, this work is progressing slowly. Length of open cut, 1,155 feet; cost, $15,150.79; expended on tunnel, $2,094.18.

Appropriated	$25,400 00
Expended	17,113 85
Balance	$ 8,286 15

REPAIRS TO SEWERS.

Under this appropriation we built two new inlets on Lovegrove alley, between Twentieth and Twenty-first streets; trapped three inlets and thoroughly repaired one; also repaired the bed of Cross-street, caused by the breaking of a water main; built one small inlet corner Patterson Park avenue and Baltimore street; repaved over pipe line from Patterson Park avenue to Patapsco street, and repaired inlet corner Chew and Chester streets.

Expended $463 02

Improvement Harford Run.

That part of the old Harford Run sewer under private property, between Bond and Dallas streets, having been cut off by the building of one of the branches of the new Harford Run sewer, it was determined, as a sanitary measure, to fill the old sewer up. Before it could be done, it was necessary to divert the drainage of two small inlets which emptied into the old sewer. One large inlet was built in place of the two and connected with the new sewer, and the old sewer packed solidly with ashes from Dallas and Chew streets to Bond street; also remodeled two inlets at North avenue and Chester street; completed a manhole at Townsend and Chester streets, and built one large inlet at northeast corner Wolfe and Preston streets.

Expended $1,891 00

Inlets on Ann, Barnes and Other Streets.

Built one new inlet northwest corner Ann and Chase streets.

Appropriated	$600 00
Expended	276 60
Balance	$323 40

Ordinance No. 20. Sewer in Union Avenue.

This sewer empties into Jones' Falls at Union-avenue bridge. The first section is 30 inches in diameter, which commences on the east side of the Falls, and with the exception of 4 pieces of iron pipe aggregating 48 linear feet, three pieces of which were used to span the Clipper Mill race, and one piece as a terminating finish, the balance is terra-cotta pipe, laid in a bed of concrete, and is 868 feet long.

The next section is 24 inches in diameter, joins to the 30-inch pipe, is laid in a bed of concrete, and continued easterly on Union avenue to the Falls road, a distance of 1,000 feet, to a small chamber where two lines of 20-inch terra-cotta pipe join and diverge, one running north and the other south to Fifth and Fourth avenues respectively. Total distance of 20-inch pipe 338 feet. All of this terra-cotta pipe was laid in a six-inch bed of concrete. At the terminus of this sewer there is built a substantial platform or apron of Georgia pine lumber, held in place by running 12x12 inch

stringers 10 feet under the enbankment and building a retaining wall of broken range masonry thereon. This wall is 23 feet long, joins to the bridge abutment on one end, is 3 and 4 feet thick, 8 feet high and capped with good axed coping.

A stone pier is built in the bed of the Clipper Mill race to support the iron pipe which crosses above the surface of the water.

Eighteen inlets were built in connection with this sewer. By its completion we have been enabled to fill up an old open gutter about 3 feet deep on the south side of the bed of Union avenue, which was dangerous to travel.

Appropriated	$12,500 00
Expended	12,284 28
Balance	215 72

Ordinance No. 37. Repaving Maryland Avenue.

This work embraced the repaving with Belgian blocks, the removal of all four-inch kerb and the substitution of six-inch granite kerb for the same, the resetting of all old six-inch kerb, and the laying of new flagstone crossings between North avenue and 25th street.

The work was done by Patrick Reddington, contractor, and the following is a true copy of the final estimate of the above work:

Granite block paving, 9,966.5 square yards at	$2.54,	$25,314 91
New six-inch kerb, 3,750 linear feet at	1.15,	4,312 50
New six-inch circles, 97.1 linear feet at	2.30,	223 33
Old six-inch kerb reset, 797.1 linear feet at.	.35,	278 99
Old six-inch circles reset, 28.6 linear feet at	.60,	17 16
New flagstone crossings, 3,350.3 square feet at	.38,	1,273 11
Old flagstone crossings reset, 201.8 square feet at	.10,	20 18
New gutter-stones, 4,802.1 linear feet at.	.35,	1,680 74
Granite block repaving in cross streets, 31.3 square yards at	2.55,	79 82
Cobble-stone repaving in cross streets, 10,704 square feet at	.03,	321 12
Six-inch kerb reset in cross streets, 163.8 linear feet at.	.25,	40 95
Four-inch kerb reset in cross streets, 322.2 linear feet at.	.08,	25 78
Haul on 1,927 cubic yards, 1,434 feet extra haul at ¾ cent per 100 feet		207 25
Total		$33,795 84
15 per cent. retained		5,069 38
		$28,726 46
Total of previous payments		20,990 67
Amount due		$ 7,735 79

The total amount for extra work is 450 69

Appropriation	$60,000 00
Expended	28,711 01
Balance	$31,288 99

As this account is in litigation a final statement of its cost cannot be given.

Ordinance No. 41. To macadamize North avenue from Payson street to Tenth street, a distance of 5,915 feet.

There were used in this work 2,211¾ perches of nigger-head stone, all of which were hauled from Pennsylvania avenue and crushed by the city's crusher. In connection with this improvement there were 1,000 linear feet of gutters paved, five feet wide.

Appropriation	$6,500 00
Expended	6,433 05
Balance	66 95

Resolution No. 20. To repair with broken stone Dorsey's lane from Frederick avenue to Edmondson avenue.

There were used in this work 300 perches crushed stone, purchased from L. Zaiser, at $1.50 per perch; balance expended in labor.

Appropriation	$500 00
Expended	495 00
Balance	$ 5 00

Resolution No. 84. To repair Lombard street between Catherine and Wilkens streets with broken stone.

There were 134½ perches crushed stone used in this work, purchased from L. Zaiser, at $1.50 per perch; balance expended in labor.

Appropriation	$250 00
Expended	248 00
Balance	$ 2 00

Resolution No. 85. To repair Wilkens avenue with broken stone from the old city limits to Gwynn's Falls.

This work was commenced at Gwynn's Falls and carried easterly as far as the appropriation would permit. There were 410 4250 tons crushed stone at $1.30 per ton, and 74 450 tons crushed stone at $1.40 per ton, purchased from A. Weber & Company, aggregating 23 car loads used in this work; balance expended in labor, spreading, hauling stone from cars, etc.

Appropriation	$800 00
Expended	792 78
Balance	$ 7 22

Resolution No. 110. To repair Stafford street with broken stone.

Appropriation	$700 00
Expended	698 55
Balance	$1 45

Resolution No. 128. To repair Woodberry lane from N. C. R. R. to Park Dale avenue.

Appropriation	$500 00
Expended	497 00
Balance	$ 3 00

Resolution No. 31. To repair old Pimlico road from Reisterstown Turnpike to the city limits.

Appropriation	$500 00
Expended	495 78
Balance	$ 4 22

Resolution No. 32. To Macadamize Garrison avenue from Oakford avenue to Old Liberty road.

Appropriation	$700 00
Expended	695 05
Balance	$ 4 95

Resolution No. 83. To repair Garrison lane from Frederick avenue to Baltimore street.

Appropriation	$600 00
Expended	592 18
Balance	$ 7 82

Resolution No. 98. To repair Loudon avenue from Millington avenue to Brunswick street.

Appropriation	$300 00
Expended	296 50
Balance	$ 3 50

Resolution No. 33. To repair Dellwood avenue from Falls road west.

Appropriation	$500 00
Expended	497 79
Balance	$ 2 21

Resolution No. 64. To repair Slingluff avenue from Old Liberty road to North avenue.

Appropriation	$1,000 00
Expended	996 00
Balance	$ 4 00

Ordinance No. 56. To provide for the macadamizing of Franklin street from the Baltimore and Potomac Railroad tracks to the Calverton road.

As this work consisted principally in the surfacing of the street with stone, the crusher was moved from North avenue to Franklin street and Calverton road, and there used to crush old cobble-stones hauled from Frederick avenue, besides 200¼ perches purchased from Smith & Schwarz at 50 cents per perch, hauled by city's carts, and 588 perches, delivered at crusher, at 75 cents per perch.

The street was surfaced with crushed stone, twenty feet wide, from the old city limits to the Calverton road.

Appropriation	$3,500 00
Expended	3,408 30
Balance	$ 91 70

Resolution No. 65. To repair the Old Liberty road.

Appropriation	$1,000 00
Expended	998 48
Balance	$1 52

Resolution No. 51. To grade and drain Chestnut avenue; repair the same with broken stone; Chestnut avenue, from First street to Fourth avenues, and Third avenue, from Chestnut avenue to the Falls road.

Before this work was commenced an approximate estimate of its cost was made, which far exceeded the amount appropriated. It was determined, however, that the sum appropriated should be worked out. In this connection we graded Chestnut avenue from Second to Third avenues, and Third avenue, partially from Chestnut to Elm avenues. This constituted the bulk of the grading. We also paved 1,830 linear feet of gutters, $5\frac{4}{10}$ feet wide.

Appropriation	$5,000 00
Expended	4,991 47
Balance	$8 53

Resolution No. 50. To repair Montebello avenue with broken stone.

Appropriation	$450 00
Expended	443 67
Balance	$6 33

Resolution No. 89. To repair Old York road from the York turnpike to northern limits of the city.

Appropriation	$1,000 00
Expended	994 51
Balance	$ 5 49

Resolution No. 74. To repair St. Paul street from Twenty-fifth street to Gilmor lane.

Appropriation	$300 00
Expended	295 00
Balance	$ 5 00

Resolution No. 88. To repair Gilmor lane from St. Paul street to York road.

Appropriation	$500 00
Expended	486 15
Balance	$ 13 85

Resolution No. 100. To adjust and repair Twenty-fifth street.

This work consisted in regrading that portion of Twenty-fifth street between Charles street and the bend in Huntingdon avenue; the paving of 2,459 linear feet of gutters, varying from 3 to 5 feet wide, and the dressing of portions of said street with crushed stone.

Appropriation	$3,000 00
Expended	2,998 02
Balance	$ 1 98

Work done out of the general appropriation for roads and bridges:

Gilmor lane, shelled; Jackson street, shelled; graded Sweet Air avenue; repaired culvert on Garrison lane; repaired culvert over Gwynn's run; repaired and ditched Edmondson avenue; repaired Falls road from old city limits to Hampden; dressed Remington avenue with broken stone from William street to Cedar avenue; dressed Gorsuch avenue with gravel from York turnpike to Jackson street; dressed with gravel Madison, Liberty, Independence, Republic and Jefferson streets; dressed Tinges lane with gravel; repaired and ditched Old Liberty road its entire length; cobble-stone pavements generally repaired in the paved streets between Oak street on the west and the York road on the east, and North avenue on the south, and Twenty-fifth street on the north; rebuilt wing wall of large culvert on Stony run, at Remington avenue; Calverton road dressed with crushed stone, etc., etc.

The following bridges were repaired during the year 1893: Quaker-lane bridge, repaired; two bridges on Morris avenue, repaired; Slingluff-avenue bridge, repaired; Union-avenue bridge, repaired; Kate-avenue bridge, flooring and joists renewed; Merryman's-avenue bridge, flooring partly renewed; Gwynn's-run bridge, repaired; Wilken's-avenue bridge, flooring renewed over centre of bridge; Tiffany's-run bridge, all the timber

renewed; Garrison-lane bridge, repaired; Dorsey's-lane bridge, repaired; Clipper bridge, repaired, and Franklin-street bridge, new flooring. There were laid 576 linear feet of flagstone crossings at various places in the Twenty-first and Twenty-second Wards during the year.

This concludes the statement showing the appropriations made by special Act of the Mayor and City Council, as well as the general appropriation for the streets in the Annex, designating where and how the funds should be expended. To save space I have given the figures without explanations or comment; would add, however, that we have kept a record showing a detailed statement of all expenditures on all work under my charge.

Second street, between Cedar and Chestnut avenues, paved with cobble-stones its entire width by the Lake Roland Elevated Railway Company, the city supplying and hauling the old cobble-stones.

The City and Suburban Railway Company, in the relaying of their tracks on Huntingdon, First, Chestnut and Third avenues, paved within their tracks and two feet outside with cobble-stones the entire length of their new road.

The Baltimore Traction Company, in the relaying of their tracks on Huntingdon avenue from Charles street to the York road, paved within their rails with cobble-stones.

In my last report I recommended that the city purchase two portable stone-crushers for use in the Annex, giving as a reason the difficulty and expense to obtain the proper kind of stone for road purposes. I am gratified to state that the crushers were bought and have done good service during the past season.

CHARLES A. HOOK,
Assistant City Commissioner.

The testing of cements used in the construction and repairs of sewers, the laying of gutters and other work, has been continued during the year, with satisfactory results, by Mr. C. B. Marriott, Cement Inspector.

There are two matters to which I must call your special attention. The *first* is the limited accommodations for the transaction of the business of this department. Part of the office force is in the basement of the City Hall, while a much more numerous part is located on the third floor of the building. It is absolutely necessary that the whole force should be concentrated in apartments communicating with each other, so that the head of the department shall have direct connection with all its branches.

The *second* is the necessity of securing lots in convenient locations for the storing of materials. By doing this much expense and delay in the working operations would be avoided. Materials furnished by

contractors, when not required for immediate use, could be stored in those lots, and could be immediately availed of when required.

The Assistant City Commissioners, with their Superintendents, Foremen, etc., have rendered their usual good services during the year, and with their co-operation an unusual amount of good work has been accomplished.

A. E. SMYRK,

City Commissioner.

TABLE A.

Showing the Amounts of Appropriations and the Balances due, for the Year ending 31st December, 1893.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Repairs of sewers and inlets	$8,000 00			
Paid Register	3,920 40			
		$11,920 00	$ 7,429 06	$4,490 94
Flag and stepping-stones		8,000 00	7,998 44	1 56
Repairs of paved streets	$92,000 00			
Paid Register	58 30			
		92,058 30	91,920 16	138 14
Repairs of unpaved streets		2,000 00	1,998 59	1 41
Repairs of bridges	$6,219 44			
Paid Register	9 67			
		6,229 11	6,192 72	36 39
Paving and repaving in front of city property		1,000 00	598 98	401 02
Paving and repaving of cross streets		5,000 00	4,938 62	61 38
Pennsylvania avenue, from Franklin street to North avenue, repaving with Belgian blocks, balance	$58,187 24			
This sum transferred from account for Aliceanna street	1,407 72			

This sum transferred from account for Fort avenue	1,342 28			
This sum transferred from account for Holliday street	200 49			
Paid Register	127 72			
		61,265 45	61,042 54	222 91
Hanover street, from Camden street to Fort avenue, repaving with Belgian blocks	$63,521 47			
This sum transferred from account for Read street	2,611 99			
This sum transferred from account for Aliceanna street	2,342 43			
This sum transferred from account for Boston street	5,065 00			
Paid Register	692 99			
		74,233 88	73,540 89	692 99
Baltimore street, from Exeter street to Jones' falls, repaving with Belgian blocks	$8,000 00			
Paid Register	253 61			
		8,253 61	3,593 78	4,659 83
Carried forward		$269,960 35	$259,253 78	$10,706 57

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$269,960 35	$259,253 78	$10,706 57
Calvert street, from Madison street to Read street, repaving with Belgian blocks		9,755 59	9,755 59	
Calvert street, from Biddle street to Preston street, repaving with sheet asphalt		8,000 00	4,830 82	3,169 18
Lexington street, from Pearl street to Fulton avenue, repaving with asphalt blocks		21,384 12	21,384 12	
Broadway, from Canton avenue to Preston street, repaving with sheet asphalt		2,316 27	2,316 27	
Columbia avenue, from Paca street to Bush street, repaving with Belgian blocks	$11,964 68			
Paid Register	448 06			
		12,412 74	11,964 68	448 06
Lexington street, from Holliday to Aisquith street, repaving with sheet asphalt	21,096 52			
Add this sum transferred from account for Eager street	398 01			

Add this sum transferred from account for Holliday street	4,500 00			
Add this sum transferred from account for Chase street	1,944 27			
Add this sum transferred from account for Fort avenue	2,657 72			
		30,596 52	30,596 52	
Fayette and Lexington streets, from North to Calvert street, repaving with sheet asphalt		3,475 32	3,475 32	
Mulberry street, from Charles to Howard street, repaving with sheet asphalt		88 56	88 56	
Eutaw street, from Madison to Dolphin street, repaving with asphalt blocks		29,763 58	29,763 58	
Frederick avenue, from Gilmor street to Gwynn's run, repaving with Belgian blocks	155,000 00			
Paid Register	631 64			
		155,631 64	75,541 05	80,090 59
Gay street, from Aisquith street to North avenue, repaving with Belgian blocks		166,000 00	731 08	165,268 92
Franklin street, from Howard street to Pennsylvania avenue, repaving with Belgian blocks		42,000 00	330 73	41,669 27
Carried forward		$751,384 69	$450,032 10	$301,352 59

TABLE A—Continued.

Accounts.			Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward			$751,384 69	$450,032 10	$301,352 59
St. Paul street, from Lexington street to North avenue, repaving with Belgian blocks	$150,000 00				
Paid Register	10 00				
		150,010 00	150,010 00	64,841 15	85,168 85
Saratoga street, from Cathedral to Fremont street, repaving with asphalt blocks			62,000 00	51,910 18	10,089 82
Light street, from Pratt street to Fort avenue, repaving with Belgian blocks			135,000 00	11,007 00	123,993 00
Holliday and other streets, repaving with Belgian blocks	180,000 00				
Transferred to Pennsylvania avenue	200 49				
Transferred to East Lexington street	4,500 00				
		4,700 49			
		175,299 51	175,299 51	854 57	174,444 94

Poppleton street, from Lexington street to Columbia avenue, repaving with Belgian blocks		52,000 00	303 75	51,696 25
Aliceanna street, from Caroline to Boston street, repaving with Belgian blocks	76,000 00			
Less transferred to account for Hanover street	2,342 43			
Less transferred to account for Pennsylvania avenue	1,407 72			
	3,750 15	72,249 85	226 00	72,023 85
Front street, from Baltimore to Gay street, repaving with sheet asphalt		50,000 00	20,155 46	29,844 54
Baltimore street, from Broadway to Chesapeake street, repaving with sheet asphalt		78,866 84	78,866 84	
Boston street, from Chester street to eastern city limits, repaving with Belgian blocks	$105,000 00			
Less transferred to Hanover street	5,065 00			
		99,935 00	655 33	99,279 67
Chase street, from St. Paul street to Broadway, repaving with sheet asphalt	$98,170 07			
Paid Register	237 00			
		98,407 07	98,170 07	237 00
Carried forward		$1,725,152 96	$777,022 45	$948,130 51

TABLE A—Continued.

Accounts.			Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward			$1,725,152 96	$777,022 45	$948,130 51
Charles street, from North avenue to Twenty-fifth street, repaving with Belgian blocks			60,000 00	151 05	59,848 95
Eager street, from Cathedral street to Jones' Falls, repaving with Belgian blocks	$45,000 00				
Less transferred to East Lexington street	398 01				
		$44,601 99			
Paid Register		67 75			
			44,669 74	24,568 17	20,101 57
Fort avenue, from Hanover street to Martin street, repaving with Belgian blocks		100,000 00			
Less transferred to East Lexington street	$2,657 72				
Less transferred to Pennsylvania avenue	1,342 28				
		4,000 00	96,000 00	3,465 00	92,535 00

Maryland avenue, from North avenue to Twenty-fifth street, repaving with Belgian blocks	60,000 00			
Paid Register	25 30			
		60,025 30	28,711 01	31,314 29
Read street, from Calvert street to Cathedral street, repaving with Belgian blocks	$22,000 00			
Less transferred to Hanover street	2,611 99			
		19,388 01	19,185 16	202 85
Concord street, from Pratt street to end of Union Dock		43,000 00	36,051 69	6,948 31
Fayette street, from Calvert street to Liberty street, repaving with Belgian blocks		10 00	10 00	....
Hanover, East Lexington streets and Richmond Market, Ordinance 209, of 1893	$41,789 95			
Paid Register	586 20			
		42,376 15	41,766 27	609 88
Lafayette avenue, from Mount Royal avenue to Eutaw place, asphalt blocks		29,839 36	29,839 36	....
Salaries		9,900 00	9,900 00	....
Livery		800 00	660 00	140 00
Carried forward		$2,131,161 52	$971,330 16	$1,159,831 36

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$2,131,161 52	$971,330 16	$1,159,831 36
Incidentals		100 00	45 40	54 60
Sewer, Entaw and Fremont streets		30,352 11	12,089 79	18,262 32
Sewer, Carey street relief		45,275 01	44,404 98	870 03
Sewer, Read street		2,100 82	1,432 54	668 28
Sewer, Eden street		1,406 59	1,063 49	343 10
Sewer, Hoffman street	$6,162 07			
Paid Register	28 62			
		6,190 69	6,159 56	31 13
Sewer, Druid Hill avenue intercepting,	$124,739 17			
Paid Register	53 57			
		124,792 74	78,032 72	46,760 02
Sewer in Bush and other streets	$164,013 54			
Paid Register	15 29			
		164,028 83	124,927 37	39,101 46
Sewer, Penn street	$44,724 11			
Paid Register	16 67			
		44,740 78	26,182 30	18,558 48

Sewer, Fulton, Eagle and Monroe streets	$93 71			
Paid Register	2 51			
		96 22	69 83	26 39
Sewer, Preston and other streets		9,326 74	1,107 25	8,219 49
Sewer, Presbury and Bruce alley		12,906 13	10,026 19	2,879 94
Sewer, Ann and Gay streets		1,005 36	58 50	946 86
Sewer, Pulaski street		6,377 17	1,324 96	5,052 21
Sewer, Cross and other streets				
Paid Register		7 50		7 50
Sewer, Patapsco street		25,400 00	17,113 85	8,286 15
Sewer, Munroe street	$8,000 00			
Paid Register	4 50			
		8,004 50	7,954 76	49 74
Sewer, North Charles street		91,800 00	2,188 64	89,611 36
Sewer, Fremont street		113,200 00	150 00	113,050 00
Sewer, Federal street		43,700 00	13,233 10	30,466 90
Sewer, West street		8,000 00	3,555 46	4,444 54
Sewer, Race street		2,000 00	1,554 70	445 30
Sewer, Hoffman street, Resolution No. 5 of 1893		400 40	400 40	
Sewers in Pulaski, Franklin and Smallwood streets		21 67	21 67	
Sewers in Union avenue, Annex		12,500 00	12,284 28	215 72
Inlets, Caroline and Madison streets		1,217 93	1,193 56	24 37
Carried forward		$2,886,112 71	$1,337,905 46	$1,548,207 25

TABLE A—Continued.

Accounts.	Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward	$2,886,112 71	$1,337,905 46	$1,548,207 25
Inlets, Central avenue and High alley	68 41	55 30	13 11
Inlets, McHenry and Pulaski streets	104 50	104 11	39
Inlets, McHenry-street sewer	841 95	616 81	225 14
Inlets, Schroeder's run sewer	597 27	486 12	111 15
Inlets, Central avenue and McElderry street	175 36	105 05	70 31
Inlets, Ann and Barnes streets	600 00	276 60	323 40
Inlets, Arch and Raborg streets	207 50	188 24	19 26
Inlets, Hamburg and Paca streets	800 00	797 01	2 99
Inlets, Central avenue and Jefferson streets	1,400 00	1,300 43	99 57
Inlets, Baltimore and Wolfe streets	700 00	664 21	35 79
Inlets, Calhoun-street sewer	86 87	50 71	36 16
Inlets, Hillen and East streets	700 00	670 63	29 37
Inlets, Hanover and Cross streets	1,207 81	542 74	665 07
Inlets, German and Arch streets	1,050 00	1,012 12	37 88
Inlets, Centre and North streets	1,050 00	995 81	54 19
Inlets, Druid Hill avenue and Presstman street	1,400 00	1,344 85	55 15
Inlets, Lexington street and Park avenue	1,050 00	904 90	145 10
Iron gutter-plates, Pratt and Eden streets	758 99	10 00	748 99

Iron gutter-plates, Lombard and Paca streets.....	2,000 00	1,595 79	404 21
Iron gutter-plates, Central avenue and Eager street.	1,400 00	1,279 32	120 68
Iron gutter-plates, Pratt and Gilmor streets.....	645 00	641 64	3 36
Iron gutter-plates, Chesapeake and Dillon streets..	1,700 00	1,469 13	230 87
Iron gutter-plates, Dillon street and Canton avenue.	850 00	823 36	26 64
Iron gutter-plates, Ann street and Eastern avenue..	3,000 00	1,593 11	1,406 89
Iron gutter-plates, unexpended balances.....	1,402 14	1,177 76	224 38
Baltimore-st. bridge, over Jones' Falls. $ 37,000 00			
Less transferred to Ramsay-st. bridge. 3,923 45			
	33,076 55	33,076 55	.....
Douglas-street bridge, over Jones' Falls.....	17,172 93	13,934 74	3,238 19
North-avenue bridge, over Jones' Falls. $341,000 00			
Paid Register..... 2,306 13			
	343,306 13	104,018 50	239,287 63
Ramsay-st. bridge, over Gwynn's Run. $ 25,000 00			
Add transferred from Baltimore-street bridge..... 3,923 45			
Paid Register..... ..... 19 93			
	28,943 38	27,695 50	1,247 88
Light-street bridge, maintenance of.....	7,915 31	7,228 13	687 18
Harford Run, improvement of.....	1,858 56	1,858 56	.....
East Baltimore street, to shell.....	500 00	466 66	33 34
Point lane, to shell.....	500 00	29 33	470 67
Carried forward.....	$3,343,181 37	$1,544,919 18	$1,798,262 19

TABLE A—Continued.

Accounts.	Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward	$3,343,181 37	$1,544,919 18	$1,798,262 19
East Monument street, Fayette street, etc., to shell	$ 1,500 00		
Paid Register	20		
	1,500 20	1,500 00	20
Ferry Point road, to shell	2,500 00	2,491 61	8 39
Lanvale, Spring and Townsend streets, to grade	5,000 00	1,342 46	3,657 54
Park avenue, to grade, etc	2,892 91	79 13	2,813 78
North avenue, to macadamize westerly to the Liberty road	6,500 00	6,073 05	426 95
Drain pipe in Adams alley	500 00	344 65	155 35
Drain pipe in Battery avenue	750 00	500 09	249 91
Dorsey's lane, to repair	500 00	495 00	5 00
Chester street, retained percentage	148 89	148 89	.....
Druid Hill avenue, retained percentage	305 23	305 23	.....
Hollins street, retained percentage	1,280 60	1,280 60	.....
Hanover Market, streets around, deficiency, 1893	364 40	364 40	.....
Lexington and other streets, retained percentage	352 80	352 80	.....

Race street, from Cross to Hanover street, to grade, pave, etc.	602 57	602 57	.....
Riggs avenue, from Fremont to Calhoun street, to grade, pave, etc.	291 08	291 08	.....
Hanover Market, streets around, retained percentage	1,126 72	1,126 72	.....
Southern Police Station, retained percentage	259 01	259 01	.....
Sharp street, retained percentage	415 40	415 40	.....
Andre street, between Clement, Marriott, etc., to grade, pave, etc.	66 66	66 66	....
Eutaw street at Biddle street, straightening	1,200 00	1,195 00	5 00
Madison street, from Charles to Eutaw street, to repair	700 00	599 15	100 85
Edmondson-avenue bridge, over Baltimore & Potomac R. R.	30,000 00	162 00	29,838 00
Maryland-avenue bridge, over Jones' falls	20,000 00	385 11	19,614 89
Monroe-street bridge, over Baltimore & Potomac R. R.	12,700 00	20 00	12,680 00
Bulkhead, Ferry Point road	2,229 02	2,225 00	4 02
Flags and stone gutters, Cathedral and Centre streets	2,956 00	2,052 44	903 56
Davis street, from Lexington to Franklin street, repaving with sheet asphalt	20,000 00	233 50	19,766 50
Carried forward	$3,458,322 86	$1,569,830 73	$1,888,492 13

TABLE A—Continued.

Accounts.		Appropriations.	Amounts paid.	Amounts undrawn.
Brought forward		$3,458,322 86	$1,569,830 73	$1,888,492 13
Spring in Jordan alley, to divert		1,200 00	1,123 88	76 12
Union Square, to repave sidewalks with sheet granolithic		3,200 00	1,017 53	2,182 47
Gilmor lane, to repair—Annex		500 00	486 15	13 85
Old York road, to repair—Annex		1,000 00	994 51	5 49
Lombard street, to repair—Annex		250 00	248 00	2 00
St. Paul street, to repair—Annex		300 00	295 00	5 00
Chestnut and Third avenues, to repair—Annex	$5,000 00			
Paid Register	1 50			
		5,001 50	4,991 47	10 03
Dellwood avenue, to repair, Annex		500 00	497 79	2 21
Franklin street, to macadamize, Annex		3,500 00	3,408 30	91 70
Garrison avenue and lane, to macadamize, Annex		1,300 00	1,287 23	12 77
Jackson, Washington, etc., streets, deficiency 1893, Annex		139 34	139 34	.....
Old Liberty road, to repair, Annex		1,000 00	998 48	1 52
Loudon avenue, to repair, Annex		300 00	296 50	3 50

Montebello avenue, to repair, Annex		450 00	443 67	6 33
Old Pimlico road, to repair, Annex		500 00	495 78	4 22
Stafford street, to repair, Annex		700 00	698 55	1 45
Slingluff avenue, to repair, Annex		1,000 00	996 00	4 00
Twenty-fifth street, to repair, Annex		3,000 00	2,998 02	1 98
Wilkens avenue, to repair, Annex		800 00	792 78	7 22
Woodberry lane, to repair, Annex		500 00	497 00	3 00
Repairing streets, bridges, etc., and salaries, Annex	$30,432 00			
Paid Register	99 50			
		30,531 50	30,427 99	103 51
New stone-crusher, Annex		2,500 00	2,484 98	15 02
Public printing, deficiency year 1893		80 20	54 55	25 65
		$3,516,575 40	$1,625,504 23	$1,891,071 17

TABLE B.

Showing the Amounts Required for the City Commissioner's Department, for the year ending 31st December, 1894.

ON WHAT ACCOUNT.	AMOUNTS.
Repairs of sewers and inlets	$10,000 00
Repairs of bridges	10,000 00
Repairs of paved streets	90,000 00
Repairs of unpaved streets	5,000 00
Paving and repaving in front of city property	1,500 00
Paving and repaving cross streets	5,000 00
Salaries	9,900 00
Livery	660 00
Incidentals	200 00
Light-street bridge	9,000 00
Flag and stepping-stones	10,000 00
Inlets, Druid Hill avenue and Presstman street	55 15
Repairs of bridges, deficiencies for the year 1893	1,623 87
Repairs of unpaved streets, deficiencies for the year 1893	433 81
Grading East Lanvale street, etc	500 00
Repairs of streets, roads, and bridges in the Annex	30,000 00
Salaries and livery in the Annex	2,432 00
Deficiencies on account Public Printing, year 1893	28 75
Repaving in Eutaw Place, per agreement with the Maryland Pavement Company	6,000 00
Iron plates, various places	50 00
Repairing Hanover street, deficiency	1,750 00
Total	$194,133 58

TABLE C.

Showing the Quantity of Repairs Done and Materials Used on the Streets and Alleys during the Year 1893.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Anthony street	400	2	½	.....
Ashland street	8,040	79	9	.....
Ann street	12,266	165	12	.....
Aliceanna street	32,568	258	20	.....
Arch street	1,631	17	1	.....
Aisquith street	7,030	60	1½	.....
Argyle avenue	400	.....	.....	.....
Albemarle street	2,850	28	2	.....
Abbott street	1,200	.....	.....	.....
Arlington avenue	6,195	81	4	.....
Baltimore street	6,924	57	71	.....
Broadway	20,687	223	18½	.....
Baker street	9,169	90	1	.....
Bank street	4,030	34	1	.....
Bond street	37,985	314	17	.....
Biddle street	50,731	403	29½	120
Bethel street	6,285	96	55	187
Block street	553	5	.....	.....
Barre street	2,998	27	5	.....
Barclay street	8,035	172	6	.....
Bowly's wharf	2,740	29	.....	.....
Bentalou street	2,690	31	2	.....
Boston street	9,140	94	3	.....
Bath street	1,012	14	1	.....
Belt street	5,424	42	5	.....
Am'ts carried forward	240,993	2,322	265	307

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	240,993	2,322	265	307
Brunt street	12,119	7	1	.....
Bruce street	8,890	91	4	.....
Boyd street	1,372	14	1	.....
Battery avenue	2,602	17	5	.....
Chester street	20,083	139	2	.....
Caroline street	29,465	303	18	50
Collington avenue	7,464	72	2	.....
Central avenue	29,235	261	14	.....
Commerce street	6,975	59	½	.....
Chase street	2,870	.....	.....	.....
Constitution street	1,240	12	.....	.....
Chew street	250	.....	.....	.....
Cathedral street	300	5	.....	.....
Clarkson street	420	5	.....	.....
Cross street	53,696	450	142	.....
Canton avenue	40,095	351	28½	.....
Calhoun street	92,682	1,008	71½	128
Calvert street	18,411	192	12	.....
Chesnut street	2,725	26	1	.....
Concord street	9,390	94	3	.....
Colvin street	940	10	1	.....
Carey street	10,817	116	8¾	.....
Clement street	693	12	1	.....
Centre street	1,342	14	3	.....
Carlton street	6,814	77	5	.....
Covington street	14,352	131	26	.....
Am'ts carried forward.	616,235	5,779	615¼	485

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	616,235	5,779	615¼	485
Charles street	5,201	50	2	300
Canton street	1,332	13	4	.....
Cairo street	1,290	13	1	.....
Courtland street	647	8	1	.....
Castle street	6,700	69	1	.....
Cannon street	2,330	29	2	.....
Chappell street	1,150	11	.....	.....
Church street	1,882	19	3	.....
Compton street	1,218	8	1	.....
Chesapeake street	1,160	13	.....	.....
Cable street	790	12	.....	.....
Dallas street	22,530	104	16	.....
Dover street	5,618	56	7	.....
Dolphin street	2,029	19	3	.....
Davis street	9,060	93	3	.....
Division street	130	.....	.....	.....
Dock street	5,570	39	.....	.....
Druid Hill avenue	2,027	20	3	.....
Eastern avenue	42,183	411	15½	.....
Eutaw street	32,888	365	48	.....
Eden street	14,288	121	1	.....
Exeter street	17,310	316	28½	.....
East Falls avenue	13,990	154	16	.....
Edmondson avenue	9,925	100	1	.....
Etting street	947	2	1	.....
Eager street	29,035	274	24	.....
Am'ts carried forward.	847,435	8,098	797¼	785

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stones.	Linear feet kerb reset.
Am'ts brought forward	847,435	8,098	797¼	785
Fayette street	32,504	421	14½	.....
Franklin street	3,265	26	3	.....
Frederick avenue	1,200	13	.....	.....
Front street	1,250	10	2	.....
Fremont street	28,752	313	16	.....
Federal street	5,960	24	3	.....
Forrest street	15,183	149	34	.....
First street	2,100	17	.....	.....
Forrest place	11,850	123	17	.....
Fulton avenue	5,490	52	.....	.....
Fawn street	2,650	27	1	.....
Gay street	8,445	82	3	.....
Gough street	2,473	143	2	135
German street	8,152	65	9½	.....
Greenmount avenue	850	6	.....	.....
Green street	57,877	657	71½	.....
Grant street	8,790	103	7	.....
Garrett street	2,600	25	2	.....
Gittings street	1,280	12	2	.....
Gilmor street	5,700	50	.....	.....
Hopkins place	9,052	87	.....	.....
Hudson street	1,667	20	1	40
Hoffman street	45,900	498	11	40
Harford avenue	21,438	195	30	.....
High street	12,571	128	10½	.....
Hughes street	32,475	320	44	.....
Am'ts carried forward	1,176,905	11,664	1,080¼	1,000

TABLE C—Continued.

Streets.	Area in sq. ft.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	1,176,905	11,664	1,080¼	1,000
Herr street	1,320	14	2	.....
Hill street	628	8	2	.....
Holliday street	13,532	136	12	.....
Holbrook street	400	7	.....	.....
Harlem avenue	2,022	19	5	.....
Heath street	5,124	37	11	.....
Howard street	1,328	8	.....	.....
Hollins street	950	10	.....	20
Irvin place	3,930	37	.....	.....
Jefferson street	2,293	22	.....	.....
Jasper street	11,624	83	21	.....
Johnson street	5,427	45	4	.....
King street	4,407	100	11	.....
Lexington street	4,050	40½	.....	.....
Lombard street	16,567	178	11	.....
Light street	11,025	108	10	.....
Lancaster street	16,746	176	7	.....
Low street	1,578	15	1	.....
Laurel street	3,230	41	4½	.....
Lanvale street	64,430	510	63½	.....
Leadenhall street	25,323	221	20	.....
Long Dock	4,180	40	7	.....
Laurens street	684	7	1	.....
Lee street	1,365	14	3	.....
Lemmon street	12,932	137	11	.....
Lorman street	668	6	2	.....
Am'ts carried forward.	1,392,668	13,673½	1,289¼	1,020

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	1,392,668	13,673¼	1,289¼	1,020
Little Gough street.....	810	8	1	.....
Lafayette avenue.....	1,991	19	5	.....
Linden avenue.....	1,271	9	1	60
Little Front street	6,662	65	1	.....
McElderry street.....	6,937	39	7	.....
McDonogh street.....	12,195	62	6	.....
Monroe street.....	1,872	12	1	.....
Madison street.....	17,902	188	3	225
Monument street.....	21,540	193	17½	153
Miller street.....	1,140	8	.....	.....
Mullikin street.....	567	5	.....	.....
McMechen street.....	4,701	31	8	.....
Mill street.....	8,100	89	4	.....
Montgomery street.....	2,013	19	7	.....
McElderry's wharf.....	3,420	48	½	.....
Mount Royal avenue....	1,312	13	2	.....
Marion street.....	10,453	93	9	.....
McHenry street.....	5,450	62	6	.....
Mosher street..... ..	11,755	100	9½	.....
Madison avenue.....	687	7	1	.....
Milton Place.....	24,388	219	19	.....
Myrtle avenue.....	667	6	2	.....
Mary Ann street.....	689	7	3	.....
Mount street.....	1,990	18	.....	.....
North avenue.....	29,740	288	12	.....
North street.....	1,400	.....	.....	.....
Am'ts carried forward.	1,552,320	15,281½	1,414¾	1,458

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	1,552,320	15,281½	1,414¾	1,458
Oliver street	24,865	242	4	.....
Orleans street	31,263	281	14½	.....
O'Donnell street	5,993	61	18	.....
Orchard street	691	7	2	.....
Pratt street	44,372	536	21¾	.....
Preston street	873	8	.....	.....
Patterson Park avenue	3,970	42	.....	.....
President street	19,496	196	13	.....
Port street	2,400	27	1	.....
Pinkney street	647	6	2	.....
Park street	1,958	19	3	.....
Patterson street	6,470	63	1½	.....
Paca street	14,395	144	32	.....
Portland street	13,569	153	2½	150
Pearce street	669	7	1	.....
Perry street	683	7	2	.....
Patuxent street	2,750	28	4	.....
Pleasant street	3,080	34	4	.....
Penn street	9,645	127	.....	300
Pine street	1,355	12	3	.....
Raborg street	1,793	17	4	.....
Regester street	1,053	9	.....	.....
Robertson street	150	5	.....	.....
Ramsay street	22,726	274	20½	.....
Rose street	671	6	1	.....
Randall street	10,617	98	10	.....
Am'ts carried forward.	1,778,474	17,680½	1,579½	1,908

TABLE C—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	1,778,474	17,680½	1,579½	1,908
Richmond street.....	4,431	40	7	.....
Rogers avenue.....	1,000	12	.....	.....
Robert street.....	100	6	.....	.....
Race street.....	14,721	99	6	.....
Rice street.....	1,342	14	1	.....
Riverside avenue.....	32,476	221	35	.....
Saratoga street.....	32,978	371	24¼	.....
Shakespeare street.....	157	1	.....	.....
Sharp street.....	18,566	167	22½	.....
St. Paul street.....	4,908	51	3	.....
Scott street.....	31,670	400	19	.....
Schroeder street.....	21,296	197	9	.....
South street.....	1,380	15	1½	.....
Spring street.....	8,870	79	2	.....
Spear's Wharf.....	1,230	12	1	.....
Stockholm street.....	18,587	127	21½	.....
Stricker street.....	23,312	269	16	.....
Streeper street.....	5,210	55	13	.....
State street.....	6,805	76	9	.....
Selma Place.....	4,090	45	2	.....
Stiles street.....	20,270	213	17	.....
Smith street.....	7,940	47	7	.....
Stirling street.....	1,990	27	2	.....
Thames street.....	125	2	.....	.....
Temple street.....	2,560	25	3	.....
Union Dock.....	9,240	91	6½	.....
Am'ts carried forward.	2,053,728	20,342½	1,807¾	1,908

TABLE C—Continued.

Streets.	Area in sq. ft.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	2,053,728	20,342½	1,807¾	1,908
Union street	689	7	1	.....
Washington street	13,333	149	7	.....
Wolfe street	42,116	441	34	.....
Wilson street	644	6	1	.....
West street	3,348	24	4	.....
Williamson street	1,362	10	2	.....
Warner street	1,332	13	4	.....
Watson street	1,715	27	1	.....
Water street	1,991	20	2	.....
Walker street	1,350	11	2	.....
Woodyear street	1,342	13	3	.....
York street	18,014	192	13	.....
	2,140,964	21,255½	1,881¾	1,908
Camel alley, by contract.	2,690	.....	.....	.....
	2,143,654	.....	.....	.....

TABLE C—Continued.

Showing the Quantity of Repairs Done and Materials used on Lanes and Alleys during the Year 1893.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Bank lane	1,349	13	2	.....
Calhoun alley	667	8	2	.....
Calendar alley	11,532	135	9	.....
Cypress alley	669	6	1	.....
Comb alley	1,344	12	2	.....
China alley	673	7	1	.....
Duncan alley	6,450	76	16	.....
Friendship court	553	3	.....	.....
Foster alley	700	21	.....	.....
Goldsmith alley	5,438	61	4	.....
Goodman's alley	1,280	8	1	.....
Hammond alley	593	4	½	.....
Harman alley	2,620	29	2	.....
Hunter alley	5,392	57	10	.....
Hargrove alley	2,051	10	15	.....
Jenkins alley	1,412	8	.....	82
Jordan alley	687	7	1	.....
Lovegrove alley	14,051	98	8	.....
Maderia alley	5,475	41	2	.....
Madison alley	583	5	.....	.....
Morton alley	2,030	103	1	.....
McCulloh alley	341	3	1	.....
Am'ts carried forward	65,890	714	78½	82

TABLE C—Continued.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Am'ts brought forward.	65,890	714	78½	82
McClellans alley	681	7	1	.....
Mason alley	1,862	10	1	.....
Norris alley.	676	6	1	.....
North alley.	7,676	30	.....	.....
Plover alley.	673	6	1	.....
Ropewalk alley	1,326	8	1	.....
Stoddard alley.	1,347	14	2	.....
Spruce alley.	640	6	.....	.....
Smith alley.	150	3	.....	.....
Shields alley	3,246	30	.....	.....
Union alley	2,610	25	1	.....
Vincent alley	667	6	2	.....
Wagon alley.	9,586	104	8	.....
Wine alley	7,500	50	7½	.....
X alley	651	5	1	.....
	105,181	1,024	105	82

TABLE C—Continued.

Grand Total Quantities of Repairs of Streets and Alleys.

	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Streets	2,140,964	21,255½	1,881¾	1,908
Alleys	105,181	1,024	105	82
	2,246,145	22,289½	1,986¾	1,990
By contract	2,690	.....	.....	.....
	2,248,835	22,289½	1,986¾	1,990

TABLE C—Concluded.

Showing Quantity of Work done by Superintendents of Street Repairs.

Superintendents.	Square feet paved.	Linear feet kerb reset.	Perches of stone.	Loads of sand.
Thomas W. Selvage	163,590	.....	171	1,767
N. A. Gill	179,574	300	143½	2,045
M. Meyers	190,496	.....	201½	1,957
George A. Glantz	166,715	.....	127½	1,529
W. H. Duvall	45,740	257	60¼	517
Walter Sauerwein	168,566	.....	74	1,907
John H. Shinmick	172,230	453	116	1,855
George W. Kerner	185,855	314	134	1,914
A. McLaughlin	169,855	.....	92	1,624
Joseph Schoenig	179,870	.....	156	1,926
John T. Lee	107,236	429	210	1,147
John Fitzpatrick	163,606	.....	155	1,184
John L. Brown	145,149	237	90	1,010
R. W. Keilly	178,418	.....	255	1,704
E. J. Stapleton	27,215	.....	1	203½
	2,246,145	1,990	1,986¾	22,289½
Camel alley paved by contract	2,690			
Total	2,248,830			

BELGIAN BLOCK REPAVING.

Gay street	4,001	square	feet.
Hanover street	6,728	"	"
Park avenue	254	"	"
Commerce street	1,288	"	"
Calvert street	4,367	"	"
Eutaw street	490	"	"
Camden street	3,603	"	"
Lexington street	8,299	"	"
Pratt street	5,656	"	"
Charles street	2,007	"	"
Broadway	8,570	"	"
Cathedral street	288	"	"
Baltimore street	3,038	"	"
Included in statement of repairs of streets	48,589	"	"

TABLE D.

Showing the Revenues collected in the City Commissioner's Department for the Year ending 31st December, 1893.

On what Account.	Amounts.
Repairs of sewers	$3,920 40
" paved streets	58 30
" bridges	9 67
Repaving Pennsylvania avenue	127 72
" Hanover street	692 99
" Columbia avenue	448 06
" East Baltimore street	253 61
" Eager street	67 75
" St. Paul street	10 00
" Chase street	237 00
" Frederick avenue	631 64
" Maryland avenue	25 30
East Monument street, shelling	20
North-avenue bridge	2,306 13
Ramsay-street bridge	19 93
Cross-street sewer	7 50
Bush-street sewer	15 29
Fulton and E-streets sewer	2 51
Penn-street sewer	16 67
Monroe-street sewer	4 50
Druid Hill-avenue intercepting sewer	53 57
Hoffman-street sewer	28 62
Repairing Third avenue, etc., Annex	1 50
" streets, bridges, etc	99 50
Public printing	227 00
	$9,265 36

UNIV. OF MD COLLEGE PARK

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W. MANCHESTER,
INDIANA